REPORT
QUARTERLY GROUNDWATER SAMPLING
FOURTH QUARTER 2007
MARYLAND SQUARE SHOPPING CENTER
3661 SOUTH MARYLAND PARKWAY
LAS VEGAS, NEVADA
For AL PHILLIPS THE CLEANER

URS Corporation
Job No. 26698724.00005
January 16, 2008



January 16, 2008

National Drycleaners, Inc. c/o Randall Jackson Williams & Company Consulting, Inc. 9237 Ward Parkway, Suite 114 Kansas City, MO 64114 Al Phillips the Cleaner 3250 Ali Baba Lane, Suites C-F Las Vegas, NV 89118 Attn: Mr. George Tu

Re: Fourth Quarter 2007 Groundwater Sampling Maryland Square Shopping Center 3661 South Maryland Parkway, Las Vegas, Nevada Facility ID: H-000086

Gentlemen:

URS Corporation is pleased to submit the Fourth Quarter 2007 quarterly groundwater sampling event report for the Maryland Square Shopping Center. Groundwater from 25 monitoring wells was sampled during this quarterly sampling event. The groundwater samples were submitted to a laboratory to test for volatile organic compounds. Analysis of total organic carbon, dissolved iron, and manganese, chloride, nitrate, sulfate, and alkalinity was also performed for selected groundwater samples.

The Nevada Division of Environmental Protection requires the following statements to be provided by the responsible Environmental Manager for this project (per NRS 459.500):

"I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein."

"I, Scott Ball, hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state, and local statutes, regulations and ordinances."

Sincerely,

URS Corporation

Scott Ball, CEM #1316 Expires Oct 15, 2009 Project Manager

cc: Mary Siders, NDEP

URS Corporation 811 Grier Drive Las Vegas, NV 89119 Tel: 702.492.7900 Fax: 702.492.9149

REPORT GROUNDWATER SAMPLING FOURTH QUARTER 2007 MARYLAND SQUARE SHOPPING CENTER 3661 SOUTH MARYLAND PARKWAY LAS VEGAS, NEVADA

Prepared for:

Al Phillips the Cleaner 3250 W. Ali Baba Lane, Suites C-F Las Vegas, Nevada 89118

and

National Drycleaners, Inc. c/o Randall Jackson Williams & Company Consulting, Inc. 9237 Ward Parkway, Suite 114 Kansas City, MO 64114

Prepared by:

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1.0 INTRODUCTION AND BACKGROUND

This report presents the results of the Fourth Quarter 2007 groundwater sampling event at the former Al Phillips the Cleaner (Al Phillips) facility in the former Maryland Square Shopping Center located at 3661 South Maryland Parkway in Las Vegas, Nevada (Figure 1). This report includes the results of groundwater sampling of 25 of the 30 monitoring wells located on and around the Al Phillips site conducted during December 2007. URS Corporation (URS), on behalf of Al Phillips, conducted the work. As required by state law, this project is being performed under the supervision of a certified environmental manager.

Al Phillips took over control of assessment activities at the site from the Herman Kishner Trust in the spring of 2004, after which all site characterization and monitoring work has been conducted by URS. Prior to URS site investigations, Converse Consultants (Converse) performed several subsurface assessments and groundwater monitoring events at the former Al Phillips facility from August 2000 through March 2004. Converse's findings indicated that tetrachloroethylene (PCE) was detected in soil beneath the former facility and in groundwater adjacent to, and downgradient from, the facility. URS reviewed Converse's reports (see References in section 5) and other documents obtained from Converse and the Nevada Division of Environmental Protection (NDEP).

URS evaluated prior data to assess whether the PCE source area for the groundwater plume, the lateral and vertical extent of the groundwater plume, the geology of the site, and the nature of PCE concentrations in the groundwater plume, were characterized. Based upon Converse's reports, concentrations of PCE above regulatory levels are present in soil beneath the former facility and in groundwater. Al Phillips and URS met with NDEP on April 29, 2004, to discuss the transfer of site responsibility to Al Phillips from the Herman Kishner Trust. Following this meeting, a work plan for additional characterization was prepared with a final revised plan issued September 10, 2004, as noted above.

In addition to the data provided by Converse, URS obtained findings from SECOR International Incorporated (SECOR, 2004) regarding the presence of a hydrocarbon plume in downgradient monitoring well MW-11. This monitoring well is located on the Boulevard Mall property, east of the former Al Phillips site. This well was sampled on February 12, 2004, by representatives from both SECOR and Converse. Analysis of the samples determined that a phase-separated liquid, identified as a weathered gasoline, was present in the groundwater from the well. SECOR performed remedial action at this well from April 2005 to March 2007 to remove hydrocarbon-contaminated water.

In April 2005, URS drilled seven boreholes in and around the site of the former Al Phillips facility. URS drilled three boreholes (B-6, B-7, and B-8) around the area where the dry cleaning equipment



was formerly located. The other five boreholes (B-9 through B-12) were drilled in areas surrounding the location. Soil samples were taken at 5-foot intervals from each borehole, except for B-11 and B-12. Based on analytical results from the soil samples collected during the April 2005 drilling and sampling event, only three soil samples (B-8-5', B-10-10', and B-10-15') exceeded the preliminary remediation goal (PRG) for PCE of 3,400 micrograms per kilogram (μ g /kg) for soil located on an industrial parcel. The highest concentration detected was 120,000 μ g /kg in borehole B-10 at 10 feet below grade.

In addition to the boreholes, six new groundwater monitoring wells were installed by URS in March 2005. These wells are MW-17, MW-18, MW-22, MW-23, MW-24, and MW-25. Well MW-17 is located in the parking area east of the building formerly occupied by Al Phillips. Monitoring wells MW-18, MW-22, MW-23, MW-24, and MW-25 were installed in the residential area downgradient (east) of the Boulevard Mall and Al Phillips. Two additional groundwater monitoring wells were installed by URS in March 2006. These wells are MW-26 and MW-27. Well MW-26 is located downgradient (east) of well MW-25 on Seneca Lane. Well MW-27 is located downgradient (east) of well MW-26 on Ottawa Circle.

URS prepared a Source Removal Corrective Action Plan (URS, 2006) to further assess PCE contamination in the soil at the former Al Phillips Facility site in November 2006. Seventeen additional soil-sampling boreholes were drilled in February 2007, near the location of the 12 boreholes drilled in April 2005, as part of a Source Area Soil Assessment (URS, 2007a). Based on these investigations, URS proposed a remedial method, schedule and site-specific level of cleanup to the NDEP. Based on this new set of data, the NDEP is currently reevaluating the remedial approach to the downgradient groundwater contamination and has not authorized implementation of the Source Removal Corrective Action Plan.

In February 2007, URS requested a reduction in the frequency of groundwater sampling for the site from quarterly to semi-annual monitoring (URS, 2007b). The NDEP approved the change with the following conditions (NDEP, 2007a):

- Water levels will be measured quarterly for all 27 monitoring wells.
- Ten of the 27 wells (MW-13, MW-14, MW-17 through MW-19, MW-20, MW-23 and MW-25 through MW-27) will be sampled each quarter.

In December 2007, NDEP granted permission for discontinuation of sampling monitoring well MW-11 (NDEP, 2007c) due to a history of hydrocarbons in the groundwater at that location (SECOR, 2004).



In March 2007, URS conducted an off-site soil vapor study (URS, 2007d) in areas downgradient of the former site, including the Boulevard Mall parking lot and locations in the residential area east of the mall.

In August 2007, URS sent a request to NDEP to modify groundwater sampling procedures (URS, 2007f). The NDEP concurred with the request (NDEP, 2007b) to change from a three volume purge-and-sample method to low-flow sampling method using procedures established by the United States Environmental Protection Agency (USEPA) and American Standard for Testing Materials (ASTM). NDEP stipulated that the standards presented in ASTM D 6771-02 must be followed. The low-flow sampling method was initiated during the Third Quarter 2007 sampling event (URS, 2007h).

In October 2007, URS installed three permanent (MW-28, MW-29, and MW-30) and one temporary (B-T) groundwater monitoring wells to further assess the downgradient extent of the PCE impact to groundwater as requested by NDEP (URS, 2007g). Data from the surveying of these new well is included in the Appendix A.



2.0 GROUNDWATER SAMPLING PROCEDURES

Based upon the well sampling schedule required by NDEP (NDEP, 2007a), groundwater samples from 25 groundwater monitoring wells (MW-1 through MW-3, MW-5 through MW-10, and MW-12 through MW-27) were collected during this sampling event from December 19 through 28, 2007. Also, groundwater samples from new monitoring wells (MW-28, MW-29, and MW-30) were collected on November 6, 2007. As required by NDEP, depth to groundwater was measured at all 28 wells. Data was not collected from monitoring well MW-4, near the southwest corner of the western parking structure at the mall, due to root stringers from adjacent trees clogging the well screen.

Before collecting samples at a well, the well was measured for depth to groundwater and then purged using a submersible pump. An electronic water level meter, accurate to the nearest \pm 0.01 feet, was used to measure depth to water in each well before and periodically during well purging. Total well depths were also measured after samples were collected by lowering the weighted probe to the bottom of the well and recording the depth to the nearest 0.01 foot.

The 28 monitoring wells (referenced above) were purged prior to sampling using a low-flow or minimal drawdown method. A portable pump with a low-flow power booster controller, low-flow control valve and non-return check valve was carefully placed within the saturated screened interval of the well to minimize agitation of the water column. The pump was placed at or near the midpoint of the screen in a position at least 2 feet from the top and 2 feet from the bottom of the screen, where possible.

According to the ASTM method, low-flow pumping refers to the velocity of water entering the pump intake from the formation pore water adjacent to the screen during pumping. The purpose is to minimize stress on the water bearing unit during pumping. Pumping flow rates between 0.1 to 0.5 liters per minute (L/min) are maintained in order to control the well screen entrance velocity and minimize turbulent flow to the well. Frequent water level drawdown measurements were recorded during well purging to establish an optimum rate for pumping. Water quality parameters of temperature, pH, specific conductance (SC), dissolved oxygen (DO), turbidity, total dissolved solids (TDS), and oxidation-reduction potential (ORP) were monitored during well purging to evaluate when stable values were attained. The criteria for defining stabilization of water quality parameters is presented in Table 1 of ASTM D 6771-02: pH - \pm 0.2 pH units, Conductivity - \pm 3% of reading, DO - \pm 10% of reading or \pm 0.2 mg/L whichever is greater, and ORP - \pm 20 mV. The depth to water, water quality measurements and purge volumes were entered in the purge log or Groundwater Sample Collection Log (Appendix B).



The pump, electronic water level meter and field meter probe were decontaminated before use at each well. Purge water and decontamination water was placed in DOT-approved 55-gallon drums. The drums were labeled and stored at the former Al Phillips facility, prior to disposal in accordance with regulations.

After purging a well, groundwater samples were transferred from the tubing directly into the appropriate sample containers and were numbered by well number on the sample container. The inline flow cell used for measuring parameters during purging, was bypassed during sampling.

Groundwater samples were collected in four different types of containers based on the selected analysis. Water samples to be analyzed for VOCs were collected in three 40-milliliter clear glass VOA vials pre-preserved with hydrochloric acid. Three VOA vials were collected in case one was to break during transport. The VOA vials were filled so that there was no headspace. Water samples to be analyzed for total organic carbon (TOC) were collected in 250-milliliter amber glass bottles pre-preserved with sulfuric acid. Groundwater samples to be analyzed for dissolved iron and manganese were collected in 250-milliliter clear plastic bottles pre-preserved with nitric acid. These samples were filtered by the laboratory prior to analysis. Groundwater samples to be analyzed for chloride, nitrate, sulfate, and alkalinity were collected in 500-milliliter clear plastic bottles that contained no preservative. When nitrate samples cannot be run within the prescribed 48-hour holding time, groundwater samples collected in 250-milliliter amber glass bottles pre-preserved with sulfuric acid for TOC analysis are used as an alternate sample.

Groundwater samples were labeled with the date and time the sample was collected, the sample and well number, and name of the firm and signature of the individual collecting the sample. The sample containers were sealed, labeled, and stored in a cooler with ice. Chain-of-custody forms (Appendix C) were filled out with all the appropriate sample information, and accompanied the samples to the analytical laboratory.



3.0 FIELD DATA AND TEST RESULTS

3.1 WATER LEVELS AND GRADIENT

The depth to groundwater in each of the 28 selected monitoring wells was measured between December 19 and 28, 2007. The values are listed in Table 1 along with historical data. The groundwater elevations ranged from approximately 1918.26 feet above mean sea level in well MW-29 to 1981.46 feet above mean sea level in well MW-12. Figure 2 shows hydrographs for shallow wells during the last 7 years. In general, groundwater elevations increased approximately 1 foot in wells east of The Boulevard Mall in the residential neighborhood while remaining the same or slightly decreasing west of the mall and at the site. The general flow direction for the shallow aquifer is eastward, as indicated by the groundwater contours and flow directions shown on Figure 3.

3.2 GROUNDWATER ANALYSES AND CHEMISTRY

Groundwater samples from the 25 wells identified in Section 2.0 were analyzed for VOCs by USEPA Method 8260B. Samples from monitoring wells MW-1, MW-13, MW-18, MW-25, MW-28, MW-29, and MW-30 were also analyzed for total iron and manganese; chloride, nitrate, and sulfate; alkalinity; and total organic carbon, by EPA Methods 200.8, 300.0 and 310.1, and 415.1, respectively. The laboratory analytical reports and chain-of-custody forms are provided in Appendix C.

Table 2 summarizes field measurements of groundwater temperature, pH, SC, DO, TDS, ORP, and turbidity in the monitoring wells. Groundwater temperatures ranged from 19.29 to 25.54 degrees Centigrade. Groundwater pH in shallow groundwater wells ranged from 6.13 to 6.89. Groundwater SC in shallow groundwater wells ranged from 0.415 to 4.03 microSiemens per centimeter. ORP values for shallow wells ranged from -170 to 314 millivolts. Field measurements of DO concentration in the groundwater are used to monitor the extent of natural attenuation occurring within the aquifer. DO concentrations below 0.5 milligrams per liter (mg/L) are considered characteristic of anaerobic conditions (Wiedemeier et al, 1998). DO concentrations during this sampling event in shallow groundwater wells ranged from 0.61 to 9.62 mg/L. TDS concentrations during this sampling event in shallow groundwater wells ranged from 2.2 to 2.7 grams per liter. Field measurements of groundwater turbidity recorded during sampling of the wells ranged from 0 to 440 nephelometric turbidity units.

The Nevada Drinking Water Standards Maximum Contaminant Level (MCL) for PCE in groundwater is 5 micrograms per liter (μ g/L). Analytical results for groundwater collected during this sampling event from shallow wells MW-1, MW-2, MW-5, MW-6, MW-13, MW-14, MW-17 through MW-21, MW-23, MW-25 through MW-27, and MW-30 exceeded the PCE MCL. Table 3



summarizes the analytical data for PCE detected in the wells. Figures 4A and 4B show the PCE concentrations vs. time in the shallow and intermediate wells, respectively. The highest concentration of PCE detected this quarter was 2,500 μ g/L in shallow well MW-13. Well MW-13 is located down gradient from the site on the Boulevard Mall property near the northeast corner of the front parking garage and has historically had the highest PCE concentrations. The PCE concentration in well MW-30, which is the furthest downgradient well at the site, was 74 μ g/L. Figure 5 shows the monitoring well locations, respective PCE concentrations for the shallow wells sampled this quarter, and the estimated PCE plume area for the shallow aquifer for this current sampling event.

Trichloroethene (TCE), cis-1, 2-dichloroethene, and vinyl chloride were not detected in groundwater this sampling event. TCE, cis-1,2-dichloroethene, and vinyl chloride are respectively first, second, and third order reductive dechlorination (anaerobic conditions) degradation compounds of PCE. TCE has been detected in low concentrations in wells MW-2, MW-6, and MW-22 in prior sampling events.

Table 4 summarizes the results of laboratory testing for ionic compounds for the Fourth Quarter 2007 sampling event. Iron concentrations ranged from 1.2 to 2.9 mg/L and manganese concentrations ranged from non-detect to 0.065 mg/L. The anions (chloride, nitrate, and sulfate) ranged from 190 to 320 mg/L, 5.0 to 8.0 mg/L and 1,800 to 3,700 mg/L, respectively. Total alkalinity laboratory concentrations ranged from 210 to 270 mg/L. Total organ carbon concentrations ranged from 1.2 to 24 mg/L.



4.1 GROUNDWATER SAMPLING CONCLUSIONS

Based on the groundwater monitoring results obtained during this sampling event, it appears that the PCE groundwater plume is approximately 550 feet wide beneath the mall and a minimum of 4,000 feet long. The groundwater plume is relatively narrow and may follow an old paleochannel within the alluvial sediments.

In general, historical laboratory analytical data indicate that PCE concentration levels in monitoring wells have fluctuated over time, dating back to the first analysis by Converse in August 2000. The Mann-Kendall test for trend was applied by NDEP (NDEP, 2007c) for wells in which PCE has generally been detected. The results of the Mann-Kendall test indicate that the plume, in general, appears stable with no trend of increasing or decreasing concentration.

4.2 REMEDIAL EFFORTS AND ASSESSMENTS

Maryland Square LLC, owner of the former Maryland Square Shopping Center site, completed demolition of the buildings at the site in July 2006. According to Maryland Square's property management firm, CB Richard Ellis, plans for development of the property have not been selected.

A source removal Corrective Action Plan was submitted to NDEP in early December 2006 and additional soil investigations were performed in the source area during January 2007. An offsite soil vapor survey was conducted during March 2007 on the east side of the Mall property and in the residential area east of the Mall. In light of the data from both these investigations, the NDEP is reevaluating the onsite and offsite remedial approach.



- American Society for Testing and Materials International, 2002. Standard Practice for Low-Flow Purging and Sampling for Wells and Devices Used for Ground-Water Quality Investigations, Designation: D 6771-02.
- Converse Consultants, 2000. Offsite Investigation, Maryland Square Shopping Center, Las Vegas, NV dated November 28, 2000.
- ----, 2001. A through K Data Research Report, dated August 22, 2001.
- ----, 2002a. Work Plan Additional Site Investigation, dated January 11, 2002.
- ----, 2002b. Additional Soil and Groundwater Investigation, dated November 13, 2002.
- ----, 2003a. Additional Soil and Groundwater Investigation, dated May 16, 2003.
- ----, 2003b. Preliminary Corrective Action Plan (CAP), dated June 27, 2003.
- ----, 2003c. Work Plan Additional Site Activities, dated September 12, 2003.
- ----, 2003d. Groundwater Monitoring Report 3rd Quarter 2003, dated October 31, 2003.
- ----, 2004. Well Installation/Slug Testing/Groundwater Monitoring Report 4th Quarter 2003 and 1st Quarter 2004, dated March 2004.
- NDEP, 2007a. Letter titled: Frequency of Groundwater Monitoring, Maryland Square Site, 3661 South Maryland Parkway, Las Vegas, NV, Facility ID: H-000086. March 1, 2007.
- NDEP, 2007b. Letter titled: Request to Modify Groundwater Sampling Procedures. September 10, 2007.
- NDEP, 2007c. Letter titled: Groundwater Sampling Frequency, Request for Additional Groundwater Characterization. December 14, 2007.
- Puls, Robert W. and Barcelona, Michael J., 1996. Ground Water Issue: Low-flow (Minimal Drawdown) Ground-Water Sampling Procedures. United States Environmental Protection Agency, Office of Research and Development, Publication EPA/540/S-95/504.
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- URS, 2004. Revised Work Plan, Proposed Subsurface Investigation, Former Al Phillips the Cleaner Site, Maryland Square Shopping Center, Las Vegas, NV, dated September 10, 2004.
- URS, 2005a. Subsurface Investigation, Former Al Phillips the Cleaner Site, Maryland Square Shopping Center, Las Vegas, NV, dated July 11, 2005.



- URS, 2005b. Proposed Remedial Pilot Study, Former Al Phillips the Cleaner Site, Maryland Square Shopping Center, Las Vegas, NV, dated December 27, 2005.
- URS, 2006. Source Removal Corrective Action Plan, Former Al Phillips Facility, Al Phillips the Cleaner, Maryland Square Shopping Center, 3661 South Maryland Parkway, Las Vegas, NV. November 13, 2006.
- URS, 2007a. Source Area Soil Assessment, Former Al Phillips Facility, Al Phillips the Cleaner, Maryland Square Shopping Center, 3661 South Maryland Parkway, Las Vegas, NV. February 23, 2007.
- URS, 2007b. Petition to Modify Groundwater Monitoring Schedule, Former Al Phillips Facility, Al Phillips the Cleaner, Maryland Square Shopping Center, 3661 South Maryland Parkway, Las Vegas, NV. February 23, 2007.
- URS, 2007c. Quarterly Groundwater Sampling, 1st Quarter 2007, Al Phillips the Cleaner, Maryland Square Shopping Center, 3661 South Maryland Parkway, Las Vegas, NV. April 2, 2007.
- URS, 2007d. Off-Site Soil Vapor Assessment, Al Phillips the Cleaner, Maryland Square Shopping Center, 3661 South Maryland Parkway, Las Vegas, NV. April 13, 2007.
- URS, 2007e. Quarterly Groundwater Sampling, 2nd Quarter 2007, Al Phillips the Cleaner, Maryland Square Shopping Center, 3661 South Maryland Parkway, Las Vegas, NV. July 25, 2007.
- URS, 2007f. Request to Modify Groundwater Sampling Procedures, Al Phillips the Cleaner, Maryland Square Shopping Center, 3661 South Maryland Parkway, Las Vegas, NV. August 14, 2007.
- URS, 2007g. Installation of Downgradient Groundwater Monitoring Wells, Al Phillips the Cleaner, Maryland Square Shopping Center, 3661 South Maryland Parkway, Las Vegas, NV. November 26, 2007.
- URS, 2007h. Quarterly Groundwater Sampling, 3rd Quarter 2007, Al Phillips the Cleaner, Maryland Square Shopping Center, 3661 South Maryland Parkway, Las Vegas, NV. December 6, 2007.
- Wiedemeier, T. H., et al. 1998. Technical protocol for evaluating natural attenuation of chlorinated solvents in ground water. U.S. Environmental Protection Agency, Office of Research and Development, Publication U.S. EPA/600/R-98/128.
- Yeskis, Douglas and Zavala, Bernard, 2002. Ground Water Forum Issue Paper: Ground-Water Sampling Guidelines for Superfund and RCRA Project Managers. United States Environmental Protection Agency, Office of Solid Waste and Emergency Response, Publication EPA/542/S-02/001.

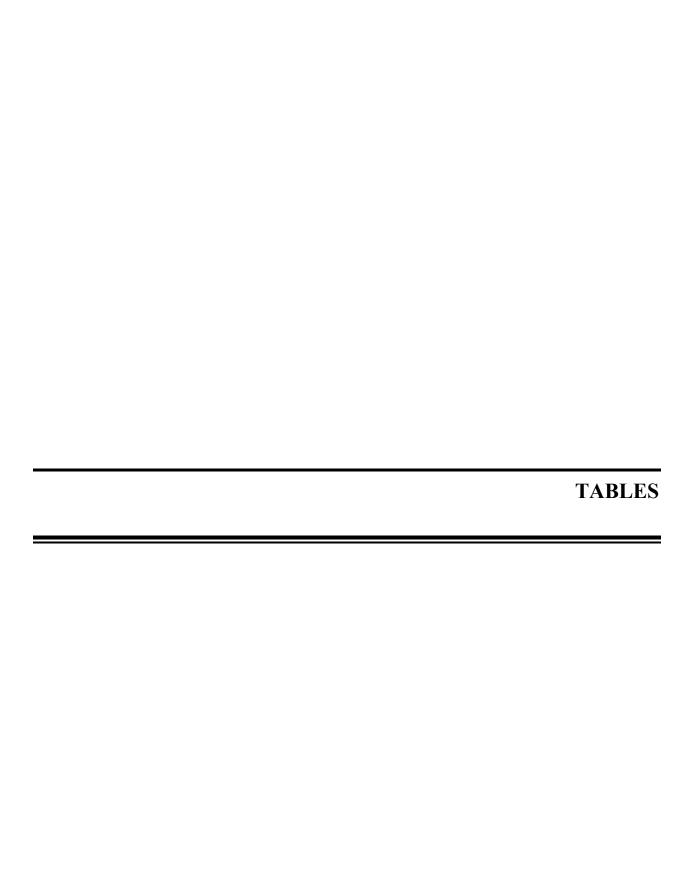


TABLE 1
SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS
Maryland Square Shopping Center

W II ID	Install	Top of Casing	Screen	Sample	GROUNDWATER DEPT	TH/ELEVATION DATA
Well ID	Date	(Elevation)	Depth	Date	Depth to Water	Elevation
		, ,	(feet)		(feet)	(feet)
			SHAL	LOW WI	ELLS	
		1,991.81		Oct 00	17.54	1974.27
				Sep 02	17.90	1974.14
				May 03	18.70	1973.34
				Sept 03	18.97	1973.07
				Jan 04	19.30	1972.74
				May 05	15.24	1976.80
				Sept 05	16.74	1975.30
MW-1	Aug-00		10-30	Dec 05	17.61	1974.43
101 00 -1	Aug-00	1,992.04	10-30	Mar 06	18.42	1973.62
				Jun 06	NM	NM
				Oct 06	18.30	1973.74
				Dec 06	18.88	1973.16
				Mar 07	20.08	1971.96
				Jun 07	19.81	1972.23
				Sep 07	18.39	1973.65
				Dec 07	19.01	1973.03
		1,983.79		Oct 00	15.52	1968.27
		1,983.99		Sep 02	16.62	1967.37
		1,703.77		May 03	17.15	1966.84
				Sept 03	17.70	1966.27
				Jan 04	18.25	1965.72
			10-32	May 05	14.65	1969.32
				Dec 05	16.00	1967.97
MW-2	Oct-00			Mar 06	NM	NM
		1,983.97		Jun 06	17.55	1966.42
		1,505.57		Oct 06	17.25	1966.72
				Dec 06	17.60	1966.37
				Mar 07	18.84	1965.13
				Jun 07	19.01	1964.96
				Sep 07	17.94	1966.03
				Dec 07	18.04	1965.93
		1,984.19		Oct 00	15.95	1968.24
		1,984.46		Sep 02	17.20	1967.26
		-,,, 0 10		May 03	17.70	1966.76
				Sept 03	18.35	1966.08
				Jan 04	19.25	1965.18
			40.55	May 05	15.22	1969.21
MW-3	Oct-00		10-32	Dec 05	16.45	1967.98
		1,984.43		Mar 06	NM	NM
		,		Jun 06	18.38	1966.05
				Oct 06	17.88	1966.55
				Dec 06	18.26	1966.17
				Mar 07	19.86	1964.57
				Jun 07	20.23	1964.20

TABLE 1 SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS Maryland Square Shopping Center

	Install	Top of Casing	Screen	Sample	GROUNDWATER DEPT	TH/ELEVATION DATA
Well ID	Date	(Elevation)	Depth	Date	Depth to Water	Elevation
		,	(feet)		(feet)	(feet)
MXX/ 2	0-4-00	1 004 42	10.22	Sep 07	18.99	1965.44
MW-3	Oct-00	1,984.43	10-32	Dec 07	18.99	1965.44
		1,989.68		Oct 00	16.95	1972.73
		1,989.87		Sep 02	NM	NM
		1,989.87		May 03	18.71	1971.16
				Sept 03	19.05	1970.80
				Jan 04	19.86	1969.99
				May 05	15.83	1974.02
		1,989.85		Dec 05	17.62	1972.23
MW-4	Oct-00		10-32	Mar 06	NM	NM
				Jun 06	18.36	1971.49
				Oct 06	18.34	1971.51
				Dec 06	NM	NM
				Mar 07	NM	NM
				Jun 07	NM	NM
				Sep 07	18.96	1970.89
				Dec 07	NM	NM
		1,988.93		Oct 00	16.20	1972.73
				Sep 02	17.00	1972.18
				May 03	17.80	1971.38
				Sept 03	18.07	1971.11
		1,989.18	10-32	Jan 04	18.65	1970.53
				May 05	14.87	1974.31
				Dec 05	16.80	1972.38
MW-5	Oct-00			Mar 06	NM	NM
				Jun 06	17.40	1971.78
				Oct 06	17.46	1971.72
				Dec 06	18.01	1971.17
				Mar 07	19.30	1969.88
				Jun 07	19.12	1970.06
				Sep 07	17.85	1971.33
				Dec 07	18.33	1970.85
	Oct-00	1,988.72	ļ	Oct 00	17.41	1971.31
				Sep 02	18.26	1970.75
				May 03	18.87	1970.14
				Sept 03	19.25	1969.76
				Jan 04	19.74	1969.27
			4.5.5.	May 05	16.21	1972.80
MW-6		1,989.01	10-32	Sept 05	17.26	1971.75
		<i>y</i>		Dec 05	17.88	1971.13
				Mar 06	NM	NM
				Jun 06	18.80	1970.21
				Oct 06	18.73	1970.28
				Dec 06	19.18	1969.83
				Mar 07	20.40	1968.61

TABLE 1
SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS
Maryland Square Shopping Center

	Install	Top of Casing	Screen	Sample	GROUNDWATER DEPT	TH/ELEVATION DATA	
Well ID	Date	(Elevation)	Depth	Date	Depth to Water	Elevation	
		, , ,	(feet)		(feet)	(feet)	
				Jun 07	20.28	1968.73	
MW-6	Oct-00	1,989.01	10-32	Sep 07	19.00	1970.01	
				Dec 07	19.29	1969.72	
		1,990.28		Sep 02	18.27	1972.01	
		1,990.28		May 03	16.60	1973.68	
				Sept 03	16.79	1973.46	
				Jan 04	17.32	1972.93	
				May 05	13.86	1976.39	
				Sept 05	14.97	1975.28	
				Dec 05	15.45	1974.80	
MW-7	Sep 02		10-30	Mar 06	16.41	1973.84	
		1,990.25		Jun 06	16.50	1973.75	
				Oct 06	16.50	1973.75	
				Dec 06	16.87	1973.38	
				Mar 07	18.19	1972.06	
					Jun 07	18.08	1972.17
				Sep 07	16.31	1973.94	
				Dec 07	16.60	1973.65	
		1,994.25		Sep 02	18.55	1975.70	
		1,5520		May 03	19.50	1974.75	
				Sept 03	19.55	1974.68	
				Jan 04	19.91	1974.32	
			10-30	May 05	15.51	1978.72	
				Dec 05	18.48	1975.75	
MW-8	Sep 02			Mar 06	NM	NM	
	r	1,994.23		Jun 06	18.89	1975.34	
		,		Oct 06	19.12	1975.11	
				Dec 06	19.60	1974.63	
				Mar 07	20.56	1973.67	
				Jun 07	20.31	1973.92	
				Sep 07	19.14	1975.09	
				Dec 07	19.81	1974.42	
		1,983.81		Sep 02	18.51	1965.30	
				May 03	18.65	1965.16	
				Sept 03	19.45	1964.35	
				Jan 04	20.32	1963.48	
				May 05	16.76	1967.04	
MW/ 10	Con 02		10.20	Sept 05	16.95	1966.85	
MW-10	Sep 02	1 002 00	10-30	Dec 05	17.64	1966.16	
		1,983.80		Mar 06	19.25	1964.55	
				Jun 06	17.90	1965.90	
				Oct 06	19.00	1964.80	
				Dec 06	19.21	1964.59	
				Mar 07	20.84	1962.96	
				Jun 07	21.39	1962.41	

TABLE 1
SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS
Maryland Square Shopping Center

W II IN	Install	Top of Casing	Screen	Sample	GROUNDWATER DEPT	TH/ELEVATION DATA
Well ID	Date	(Elevation)	Depth	Date	Depth to Water	Elevation
			(feet)		(feet)	(feet)
MW 10	C 02	1 002 00	10-30	Sep 07	20.38	1963.42
MW-10	Sep 02	1,983.80	10-30	Dec 07	20.26	1963.54
				Sep 02	24.22	1956.02
				May 03	24.25	1955.99
				Sept 03	25.62	1954.62
				Jan 04	26.22	1954.02
				May 05	22.55	1957.69
				Mar 06	NM	NM
MW-11	Sep 02	1,980.24	13.5-33.5	Jun 06	NM	NM
			Oct 06	NM	NM	
				Dec 06	NM	NM
				Mar 07	25.51	1954.73
				Jun 07	NM	NM
				Sep 07	26.13	1954.11
				Dec 07	NM	NM
		1,996.59		Sep 02	14.90	1981.69
		1,990.39		May 03	15.07	1981.52
				Sept 03	15.30	1981.20
				Jan 04	15.40	1981.10
		1,996.50		May 05	12.34	1984.16
				Sept 05	13.45	1983.05
			13.5-33.5	Dec 05	14.20	1982.30
MW-12	Sep 02			Mar 06	15.00	1981.50
				Jun 06	NM	NM
				Oct 06	14.71	1981.79
				Dec 06	15.05	1981.45
				Mar 07	16.55	1979.95
				Jun 07	16.31	1980.19
				Sep 07	14.27	1982.23
				Dec 07	15.04	1981.46
		1,984.23]	May 03	17.25	1966.98
				Sept 03	17.60	1966.60
				Jan 04	18.00	1966.20
				May 05	14.76	1969.44
				Sept 05	15.60	1968.60
				Dec 05	16.05	1968.15
MW-13	May-03		9-29	Mar 06	17.24	1966.96
141 44-19	1v1uy-03	1,984.20	J-2J	Jun 06	17.40	1966.80
				Oct 06	17.15	1967.05
				Dec 06	17.47	1966.73
				Mar 07	18.58	1965.62
				Jun 07	18.66	1965.54
				Sep 07	17.41	1966.79
				Dec 07	17.50	1966.70

TABLE 1
SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS
Maryland Square Shopping Center

	Install	Top of Casing (Elevation)	Screen	Sample	GROUNDWATER DEPT	TH/ELEVATION DATA
Well ID	Date		Depth	Date	Depth to Water	Elevation
			(feet)		(feet)	(feet)
				Jan 04	18.35	1969.54
				May 05	15.02	1972.87
				Dec 05	16.50	1971.39
				Mar 06	17.54	1970.35
				Jun 06	17.61	1970.28
MW-14	Nov-03	1,987.89	15-40	Oct 06	17.42	1970.47
				Dec 06	17.78	1970.11
				Mar 07	18.93	1968.96
				Jun 07	18.80	1969.09
				Sep 07	17.40	1970.49
				Dec 07	17.66	1970.23
				Jan 04	15.60	1967.68
				May 05	12.59	1970.69
				Sept 05	13.45	1969.83
				Dec 05	13.77	1969.51
				Mar 06	15.00	1968.28
MW-15	Nov-03	ov-03 1,983.28	15-31	Jun 06	15.15	1968.13
141 44 - 13	1404-05			Oct 06	14.91	1968.37
				Dec 06	15.17	1968.11
				Mar 07	16.31	1966.97
				Jun 07	16.16	1967.12
				Sep 07	14.80	1968.48
				Dec 07	14.71	1968.57
				Jan 04	26.22	1954.41
				May 05	23.41	1957.22
				Sept 05	24.12	1956.51
				Dec 05	24.21	1956.42
				Mar 06	25.06	1955.57
MW-16	Nov-03	1,980.63	19-35	Jun 06	26.05	1954.58
171 77 -10	1101-03	1,700.05	17-33	Oct 06	25.67	1954.96
				Dec 06	25.56	1955.07
				Mar 07	26.33	1954.30
				Jun 07	27.28	1953.35
				Sep 07	27.03	1953.60
				Dec 07	26.46	1954.17
				May 05	15.07	1975.85
				Dec 05	17.05	1973.87
				Mar 06	NM	NM
				Jun 06	NM	NM
MW-17	Apr-05	1,990.92	15-30	Oct 06	17.91	1973.01
(4-inch)	1	,		Dec 06	18.41	1972.51
				Mar 07	19.63	1971.29
				Jun 07	19.48	1971.44
				Sep 07	17.91	1973.01
				Dec 07	18.45	1972.47

TABLE 1
SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS
Maryland Square Shopping Center

WILL	Install	Top of Casing	Screen	Sample	GROUNDWATER DEPT	TH/ELEVATION DATA
Well ID	Date	(Elevation)	Depth	Date	Depth to Water	Elevation
			(feet)		(feet)	(feet)
				May 05	8.71	1954.16
				Sept 05	9.69	1953.18
				Dec 05	9.70	1953.17
				Mar 06	10.21	1952.66
MW-18				Jun 06	11.64	1951.23
(4-inch)	Apr-05	1,962.87	5-25	Oct 06	11.21	1951.66
(4-111011)	icn)			Dec 06	10.98	1951.89
				Mar 07	11.36	1951.51
				Jun 07	12.53	1950.34
				Sep 07	12.45	1950.42
				Dec 07	11.54	1951.33
				Jan 04	25.65	1954.61
				May 05	22.70	1957.56
	W-19 Nov-03 1,980.26			Dec 05	23.65	1956.61
				Mar 06	NM	NM
				Jun 06	25.55	1954.71
MW-19		1,980.26	19-35	Oct 06	25.23	1955.03
				Dec 06	25.01	1955.25
				Mar 07	25.77	1954.49
				Jun 07	26.84	1953.42
				Sep 07	26.41	1953.85
				Dec 07	25.52	1954.74
				Jan 04	25.50	1954.49
				May 05	22.58	1957.41
				Dec 05	23.55	1956.44
				Mar 06	NM	NM
	37 00	4 0=0 00		Jun 06	25.48	1954.51
MW-20	Nov-03	1,979.99	19-35	Oct 06	25.04	1954.95
				Dec 06	24.85	1955.14
				Mar 07	26.63	1953.36
				Jun 07	26.76	1953.23
				Sep 07	26.30	1953.69
 				Dec 07	25.38	1954.61
				Jan 04	24.72	1954.84
				May 05	21.76	1957.80
				Sept 05	22.70	1956.86
				Dec 05	22.85	1956.71
				Mar 06	23.46	1956.10
MW-21	Nov-03	1,979.56	19-35	Jun 06	24.68	1954.88
				Oct 06	24.35	1955.21
				Dec 06	24.15	1955.41
				Mar 07	24.87	1954.69
				Jun 07	25.95	1953.61
				Sep 07	25.44	1954.12
				Dec 07	24.34	1955.22

TABLE 1
SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS
Maryland Square Shopping Center

	Install	Top of Casing	Screen	Sample	GROUNDWATER DEPT	TH/ELEVATION DATA
Well ID	Date	(Elevation)	Depth	Date	Depth to Water	Elevation
		(, , , , ,	(feet)		(feet)	(feet)
				May 05	23.04	1951.72
				Sept 05	24.18	1950.58
				Dec 05	24.30	1950.46
				Mar 06	24.68	1950.08
MW-22				Jun 06	25.91	1948.85
	Apr-05	1,974.76	15-35	Oct 06	25.79	1948.97
(4-inch)				Dec 06	25.49	1949.27
				Mar 07	24.73	1950.03
				Jun 07	26.91	1947.85
				Sep 07	26.90	1947.86
				Dec 07	25.88	1948.88
				May 05	13.06	1949.26
				Dec 05	14.05	1948.27
				Mar 06	NM	NM
		1,962.32		Jun 06	15.60	1946.72
MW-23	A nr-()5		5-25	Oct 06	15.48	1946.84
(4-inch)			3-23	Dec 06	15.16	1947.16
				Mar 07	15.12	1947.20
				Jun 07	16.40	1945.92
				Sep 07	16.61	1945.71
				Dec 07	15.80	1946.52
				May 05	10.72	1950.02
				Sept 05	11.75	1948.99
				Dec 05	11.65	1949.09
				Mar 06	12.10	1948.64
MW-24				Jun 06	13.16	1947.58
(4-inch)	Apr-05	1,960.74	5-25	Oct 06	13.06	1947.68
(4-mcn)				Dec 06	12.80	1947.94
				Mar 07	12.88	1947.86
				Jun 07	13.94	1946.80
				Sep 07	14.24	1946.50
				Dec 07	13.58	1947.16
				May 05	16.01	1944.73
				Sept 05	17.45	1943.29
				Dec 05	16.85	1943.89
				Mar 06	17.30	1943.44
MW-25				Jun 06	18.64	1942.10
(4-inch)	Apr-05	1,960.74	5-25	Oct 06	18.75	1941.99
(4-111011)				Dec 06	18.61	1942.13
				Mar 07	17.72	1943.02
				Jun 07	19.31	1941.43
				Sep 07	19.96	1940.78
				Dec 07	18.92	1941.82
MW-26	Mar-06	1953.48	10-35	Mar 06	15.60	1937.88
(4-inch)	14141-00	1755.70	10-33	Jun 06	17.00	1936.48

TABLE 1 SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS Maryland Square Shopping Center

Well ID	Install	Top of Casing	Screen	Sample	GROUNDWATER DEP	TH/ELEVATION DATA
well ID	Date	(Elevation)	Depth	Date	Depth to Water	Elevation
			(feet)		(feet)	(feet)
				Oct 06	17.17	1936.31
				Dec 06	NM	NM
MW-26	Mar-06	1953.48	10-35	Mar 07	15.66	1937.82
(4-inch)	Mai-00	1933.48	10-33	Jun 07	17.50	1935.98
				Sep 07	18.12	1935.36
				Dec 07	17.01	1936.47
				Mar 06	13.48	1930.75
				Jun 06	18.50	1925.73
		1944.23		Oct 06	16.16	1928.07
MW-27	Mar-06		10-35	Dec 06	13.85	1930.38
(4-inch)	Mai-00		10-33	Mar 07	12.58	1931.65
				Jun 07	18.43	1925.80
				Sep 07	17.85	1926.38
				Dec 07	14.41	1929.82
MW-28	0-4-07	1042.07	15.25	Nov 07	14.02	1928.95
(4-inch)	Oct-07	1942.97	15-35	Dec 07	12.80	1930.17
MW-29	Oct-07	1932.27	15-35	Nov 07	14.20	1918.07
(4-inch)	Oct-07	1932.27	13-33	Dec 07	14.01	1918.26
MW-30	O at 07	1040.56	20.40	Nov 07	20.11	1920.45
(4-inch)	Oct-07	1940.56	20-40	Dec 07	17.12	1923.44
			INTERM	EDIATE	WELL	
		1,992.26		Sep 02	18.46	1973.80
		1,992.20		May 03	19.15	1973.11
				Sept 03	19.02	1973.24
				Jan 04	19.05	1973.21
				May 05	15.36	1976.90
				Sept 05	17.85	1974.41
				Dec 05	17.68	1974.58
MW-9	Sep-02		48.5-50	Mar 06	18.55	1973.71
	-	1,992.26		Jun 06	NM	NM
		•		Oct 06	18.40	1973.86
				Dec 06	19.00	1973.26
				Mar 07	20.19	1972.07
				Jun 07	19.95	1972.31
				Sep 07	18.51	1973.75
				Dec 07	19.20	1973.06

NOTES: All wells are 2-inch diameter PVC casing and screen, unless indicated.

Top of casing elevation is in feet above mean sea level.

All wells installed prior to September 2003 were resurveyed in September of 2003.

NM = Not Measured.

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	рН	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (°C)	TDS (g/L)	Oxidation- Reduction Potential (mV)					
	SHALLOW WELLS												
	Jan-04	6.97	3.48	NM	0.93	22.50	NM	NM					
	May-05	7.02	3.98	441	5.43	26.04	NM	110					
	Sep-05	7.08	4.16	64	6.99	27.50	2.7	129					
	Dec-05	6.98	5.10	290	2.01	26.90	3.2	404					
MW-1	Mar-06	**	5.62	>999	**	23.10	3.7	545					
IVI VV -1	Jun-06	NM	NM	NM	NM	NM	NM	NM					
	Oct-06	6.32	3.71	81	4.61	26.74	2.4	129					
	Dec-06	6.74	4.44	>999	5.12	26.86	2.8	111					
	Jun-07	7.02	2.29	611	6.24	25.70	1.4	468					
	Dec-07	6.35	3.90	15	5.53	22.21	2.5	223					
	Jan-04	7.05	3.10	NM	1.13	23.20	NM	NM					
	May-05	6.93	3.47	698	4.82	23.40	NM	193					
	Dec-05	6.63	4.82	360	2.67	25.40	3.1	264					
	Mar-06	NM	NM	NM	NM	NM	NM	NM					
MW-2	Jun-06	**	3.70	728	6.98	24.90	2.4	116					
	Oct-06	6.12	3.48	20	5.11	24.41	2.2	161					
	Dec-06	6.78	4.19	28	4.94	24.53	2.7	241					
	Jun-07	6.98	3.52	539	5.65	24.38	2.3	305					
	Dec-07	6.30	3.59	144	6.86	21.82	2.3	314					
	Jan-04	6.87	2.91	NM	0.97	22.40	NM	NM					
	May-05	6.99	2.88	**	2.54	26.00	NM	149					
	Dec-05	6.55	4.69	100	0.88	27.30	3.0	33					
	Mar-06	NM	NM	NM	NM	NM	NM	NM					
MW-3	Jun-06	**	3.76	285	5.61	26.40	2.4	-32					
	Oct-06	5.91	3.90	26	2.04	26.71	2.5	279					
	Dec-06	6.69	4.80	272	2.89	26.74	3.1	9					
	Jun-07	7.06	3.70	605	3.59	25.86	2.4	43					
	Dec-07	6.13	3.92	55.1	2.17	21.94	2.5	135					
	Jan-04	6.95	2.71	NM	1.23	22.00	NM	NM					
	May-05	6.83	3.73	664	3.68	24.20	NM	160					
MW-4	Dec-05	6.68	4.90	670	3.22	25.90	3.1	219					
1 V1 VV -4	Mar-06	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾					
	Jun-06	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾					
	Oct-06	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾					

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	рН	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (°C)	TDS (g/L)	Oxidation- Reduction Potential (mV)
	Dec-06	$NM^{(1)}$	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾
MW-4	Jun-07	$NM^{(1)}$	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾
	Dec-07	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾	NM ⁽¹⁾
	Jan-04	6.72	2.61	NM	1.20	22.30	NM	NM
	May-05	7.09	2.59	**	4.56	25.40	NM	184
	Dec-05	6.78	5.28	>999	1.51	26.80	3.3	377
	Mar-06	NM	NM	NM	NM	NM	NM	NM
MW-5	Jun-06	**	3.80	>999	6.93	26.60	2.4	126
	Oct-06	6.23	3.51	21	4.82	26.68	2.2	99
	Dec-06	6.81	4.49	134	5.36	26.46	2.9	93
	Jun-07	7.04	3.44	375	6.51	25.19	2.2	460
	Dec-07	6.27	3.77	28.3	5.73	24.36	2.4	159
	Jan-04	6.97	2.31	NM	1.19	22.40	NM	NM
	May-05	6.91	2.35	**	2.81	25.90	NM	123
	Sep-05	6.99	3.95	34	6.23	26.90	2.3	-119
	Dec-05	6.80	4.86	220	1.10	26.50	3.2	163
MANA	Mar-06	NM	NM	NM	NM	NM	NM	NM
MW-6	Jun-06	**	4.00	707	6.34	26.70	2.4	172
	Oct-06	6.27	3.55	7	4.12	26.47	2.3	61
	Dec-06	6.69	4.23	96	4.37	26.22	2.7	239
	Jun-07	7.09	3.45	352	5.56	24.85	2.2	241
	Dec-07	6.19	3.81	4.3	5.35	24.77	2.4	277
	Jan-04	7.00	2.23	NM	0.93	22.40	NM	NM
	May-05	7.10	1.79	**	4.03	24.79	NM	129
	Sep-05	6.97	4.62	140	6.22	26.60	3.0	144
	Dec-05	6.67	5.33	5	1.80	23.80	3.4	472
MW-7	Mar-06	4.67	6.71	428	**	22.40	4.2	634
1 V1 VV - /	Jun-06	**	4.12	>999	6.58	26.20	2.6	-14
	Oct-06	6.24	3.68	>999	4.41	25.03	2.3	92
	Dec-06	6.86	4.80	>999	5.72	25.11	3.0	65
	Jun-07	7.12	3.59	450	6.26	25.08	2.2	129
	Dec-07	6.21	4.03	0	2.34	22.53	2.6	161
	Jan-04	6.99	2.16	NM	1.04	22.00	NM	NM
MW-8	May-05	7.03	1.75	**	3.64	27.70	NM	107
	Dec-05	6.68	4.24	>999	2.08	24.10	2.7	483

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	рН	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (°C)	TDS (g/L)	Oxidation- Reduction Potential (mV)
	Mar-06	NM	NM	NM	NM	NM	NM	NM
	Jun-06	**	3.66	>999	6.92	27.40	2.3	185
3.4337.0	Oct-06	6.24	3.44	>999	5.86	26.73	2.2	108
MW-8	Dec-06	6.91	4.27	>999	6.96	27.01	2.7	103
	Jun-07	7.05	3.52	259	7.27	27.29	2.3	287
	Dec-07	6.46	3.71	0	3.53	25.54	2.4	158
	Jan-04	7.00	3.13	NM	1.03	24.40	NM	NM
	May-05	6.82	3.20	25	1.46	28.10	NM	-253
	Sep-05	6.96	2.90	28	3.89	27.90	1.9	-239
	Dec-05	6.69	3.66	57	1.47	23.90	2.3	-140
MXX/ 10	Mar-06	5.73	1.77	153	**	21.30	1.2	-154
MW-10	Jun-06	**	2.10	>999	3.54	28.10	1.5	-303
	Oct-06	6.16	1.37	86	1.58	27.11	0.9	-272
	Dec-06	6.82	3.90	144	3.94	26.58	2.5	-321
	Jun-07	6.95	3.46	>999	2.71	27.34	2.1	-179
	Dec-07	6.88	3.6	0	0.61	24.53	2.3	-170
	Jan-04	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾
	May-05	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾
	Mar-06	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾
MW-11	Jun-06	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾
IV1 VV -11	Oct-06	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾
	Dec-06	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾
	Jun-07	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	$NM^{(2)}$	NM ⁽²⁾
	Dec-07	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾
	Jan-04	6.99	2.15	NM	NM	22.40	NM	NM
	May-05	6.76	2.58	**	3.22	24.90	NM	219
	Sep-05	7.03	4.22	160	4.96	25.60	2.7	95
	Dec-05	6.68	4.98	210	2.00	22.50	3.2	523
MW-12	Mar-06	**	6.65	91	**	23.50	4.2	503
N1 VV -12	Jun-06	NM	NM	NM	NM	NM	NM	NM
	Oct-06	6.32	3.94	>999	3.88	26.13	2.5	112
	Dec-06	6.61	4.38	>999	6.15	25.25	2.8	206
	Jun-07	7.12	3.75	>999	3.46	25.52	2.4	-39
	Dec-07	6.32	3.91	286	2.59	24.70	2.5	207
MW-13	Jan-04	6.61	3.29	NM	1.07	22.20	NM	NM

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	рН	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (°C)	TDS (g/L)	Oxidation- Reduction Potential (mV)
	May-05	6.97	2.06	>999	4.16	24.50	NM	118
	Sep-05	7.07	3.95	270	6.85	25.40	2.5	144
	Dec-05	6.70	5.03	330	2.19	24.90	3.2	250
	Mar-06	5.45	3.64	44	**	22.80	2.3	68
	Jun-06	**	3.72	425	7.11	24.20	2.4	120
MW-13	Oct-06	6.16	3.63	50	3.84	24.64	2.3	169
	Dec-06	6.75	4.25	94	4.17	24.53	2.7	330
	Mar-07	6.87	3.51	308	9.46	24.00	2.3	514
	Jun-07	7.04	3.49	0	6.14	23.57	2.2	411
	Sep-07	6.74	3.31	3	4.74	27.72	2.1	228
	Dec-07	6.43	3.68	19.7	6.54	21.27	2.4	282
	Jan-04	6.99	2.27	NM	1.30	22.30	NM	NM
	May-05	6.95	3.23	NM	NM	24.70	NM	140
	Dec-05	6.78	5.31	>999	2.07	26.10	3.3	206
	Mar-06	5.23	6.76	898	**	24.20	4.3	234
	Jun-06	**	3.93	>999	6.75	25.40	2.5	119
MW-14	Oct-06	6.06	3.55	>999	6.96	24.76	2.3	297
	Dec-06	6.76	4.50	350	4.18	25.65	2.9	226
	Mar-07	6.82	3.71	455	8.08	25.10	2.4	501
	Jun-07	6.97	3.72	259	6.40	24.81	2.4	299
	Sep-07	6.77	3.49	103	4.15	32.19	2.2	220
	Dec-07	6.43	4.03	9.7	5.66	23.29	2.6	147
	Jan-04	6.35	2.20	NM	1.00	22.40	NM	NM
	May-05	6.99	2.33	**	2.85	25.06	NM	164
	Sep-05	6.97	3.57	36	3.48	25.80	2.3	-24
	Dec-05	6.58	4.45	140	1.03	25.90	2.8	-38
MXX/ 15	Mar-06	4.70	6.40	20	**	23.90	4.0	613
MW-15	Jun-06	**	3.84	300	4.26	26.00	2.5	106
	Oct-06	6.17	3.66	10	2.01	25.72	2.3	51
	Dec-06	6.78	4.68	15	3.44	25.85	3.0	28
	Jun-07	6.97	3.62	37	3.08	25.26	2.3	362
	Dec-07	6.38	3.66	0	1.94	23.29	2.3	170
	Jan-04	6.97	2.31	NM	0.68	22.40	NM	NM
MW-16	May-05	7.12	2.88	**	1.10	25.20	NM	-4
	Sep-05	7.00	3.42	520	3.50	24.60	2.3	-31

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	рН	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (°C)	TDS (g/L)	Oxidation- Reduction Potential (mV)
	Dec-05	6.74	3.76	>999	1.30	25.30	2.4	48
	Mar-06	5.15	5.74	199	**	23.80	3.6	162
	Jun-06	**	3.44	>999	5.56	27.10	2.2	-64
MW-16	Oct-06	6.25	3.39	32	2.00	24.60	2.2	-145
	Dec-06	6.52	3.62	271	2.87	24.39	1.3	-52
•	Jun-07	6.72	3.27	282	2.23	24.96	2.1	94
•	Dec-07	6.46	3.36	0	1.90	24.87	2.2	82
	May-05	6.92	3.49	22	5.94	24.10	NM	181
•	Dec-05	6.90	4.65	6	2.30	26.80	3.0	240
	Mar-06	NM	NM	NM	NM	NM	NM	NM
	Jun-06	NM	NM	NM	NM	NM	NM	NM
NAXX/ 174	Oct-06	6.22	3.45	2	7.36	24.91	2.2	174
MW-17*	Dec-06	6.86	4.14	25	6.81	24.08	2.7	386
•	Mar-07	7.00	3.56	87	8.12	24.30	2.3	350
•	Jun-07	7.02	3.66	37	7.26	25.03	2.3	471
	Sep-07	6.74	3.44	0	4.95	26.74	2.2	197
	Dec-07	6.26	3.89	0	4.81	19.68	2.5	176
	May-05	7.10	3.86	>999	5.56	24.30	NM	139
	Sep-05	7.10	4.12	3	6.21	26.30	2.6	88
	Dec-05	6.79	4.73	**	1.98	25.20	3.0	420
	Mar-06	5.17	6.21	3	**	23.30	3.9	237
	Jun-06	**	3.61	304	6.18	25.40	2.3	166
MW-18*	Oct-06	6.30	3.47	0	4.06	25.54	2.2	127
	Dec-06	6.80	4.16	0	4.30	24.69	2.7	297
	Mar-07	7.01	3.44	23	7.53	22.80	2.2	286
	Jun-07	7.02	3.46	24	5.54	23.94	2.2	394
	Sep-07	6.81	3.28	22	5.43	29.30	2.1	210
	Dec-07	6.30	3.64	0	5.77	21.64	2.3	232
	Jan-04	6.99	1.90	NM	1.02	22.40	NM	NM
	May-05	7.13	1.86	**	5.76	25.03	NM	130
	Dec-05	6.64	4.74	**	1.95	24.70	3.0	388
MW-19	Mar-06	NM	NM	NM	NM	NM	NM	NM
	Jun-06	**	3.69	>999	7.86	27.10	2.4	86
	Oct-06	6.10	3.69	>999	4.60	23.91	2.4	175
	Dec-06	6.80	4.38	>999	5.70	23.91	2.8	595

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	рН	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (°C)	TDS (g/L)	Oxidation- Reduction Potential (mV)
	Mar-07	6.93	3.66	>999	9.08	24.30	2.3	284
NAXY 10	Jun-07	7.10	3.53	>999	6.72	24.46	2.3	551
MW-19	Sep-07	6.84	3.40	352	5.09	27.36	2.2	201
	Dec-07	6.40	3.76	440	5.60	24.27	2.4	150
	Jan-04	6.94	2.07	NM	1.11	22.60	NM	NM
	May-05	7.16	1.32	**	4.97	23.56	NM	131
	Dec-05	6.76	4.37	**	0.77	20.50	2.8	272
	Mar-06	NM	NM	NM	NM	NM	NM	NM
	Jun-06	**	3.82	736	6.91	28.60	2.1	70
MW-20	Oct-06	6.13	2.63	>999	4.11	23.66	1.8	234
	Dec-06	6.79	4.11	284	4.34	23.86	2.6	245
	Mar-07	6.92	3.34	999	9.84	23.80	2.2	530
	Jun-07	7.04	3.45	>999	5.39	23.82	2.2	346
	Sep-07	6.83	3.26	248	4.42	32.45	2.1	207
	Dec-07	6.33	3.75	24.60	5.37	21.91	2.4	180
	Jan-04	6.91	2.04	NM	1.08	22.30	NM	NM
	May-05	7.07	2.82	**	2.88	24.59	NM	131
	Sep-05	7.06	4.66	39	4.07	25.80	2.6	109
	Dec-05	6.64	4.60	>999	0.54	24.30	2.9	264
NAXY 21	Mar-06	5.52	3.58	140	**	23.00	2.3	309
MW-21	Jun-06	**	3.50	>999	4.73	28.50	2.3	112
	Oct-06	6.24	3.46	>999	1.99	24.11	2.2	79
	Dec-06	6.74	4.48	617	2.72	24.02	2.9	89
	Jun-07	7.03	3.44	>999	4.22	24.17	2.2	373
	Dec-07	6.24	3.71	>999	4.44	19.29	2.4	117
	May-05	6.79	3.89	474	1.68	24.14	NM	46
	Sep-05	6.90	4.25	10	7.16	23.90	2.7	46
	Dec-05	6.42	4.20	**	1.31	24.60	2.7	213
	Mar-06	4.79	6.09	30	**	24.00	3.8	269
MW-22*	Jun-06	**	3.39	287	5.96	26.40	2.2	376
	Oct-06	5.98	3.74	11	2.43	23.79	2.4	141
	Dec-06	6.48	4.48	0	3.52	23.50	2.9	477
	Jun-07	6.72	3.77	26	3.39	24.31	2.4	137
	Dec-07	6.31	3.98	55.6	2.32	23.84	2.5	216
MW-23*	May-05	7.00	3.63	**	2.56	24.50	NM	121

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	рН	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (°C)	TDS (g/L)	Oxidation- Reduction Potential (mV)
	Dec-05	6.71	4.91	**	2.13	24.90	3.1	320
	Mar-06	NM	NM	NM	NM	NM	NM	NM
	Jun-06	**	3.68	318	5.77	23.80	2.3	238
	Oct-06	6.27	3.50	0	2.51	23.95	2.2	107
MW-23*	Dec-06	6.79	4.21	0	3.20	24.15	2.7	2
	Mar-07	NM	NM	NM	NM	NM	NM	NM
	Jun-07	6.99	3.49	31	4.23	23.54	2.2	301
	Sep-07	6.81	3.31	1	3.78	25.84	2.1	204
	Dec-07	6.28	3.69	0	5.52	22.07	2.4	250
	May-05	6.97	3.56	>999	1.48	23.09	NM	76
	Sep-05	7.00	3.83	25	3.62	25.80	2.4	5
	Dec-05	6.56	4.46	29	1.04	25.60	2.7	183
	Mar-06	4.70	6.02	1	**	22.60	3.8	503
MW-24*	Jun-06	**	3.44	201	5.11	25.10	2.2	132
	Oct-06	6.17	3.20	0	1.22	25.51	2.0	-23
	Dec-06	6.85	4.13	0	2.56	25.11	2.6	62
	Jun-07	7.05	3.25	23	2.53	23.24	2.1	409
	Dec-07	6.21	3.46	0	1.72	24.40	2.2	118
	May-05	7.03	4.00	>999	4.34	23.60	NM	141
	Sep-05	7.01	4.18	30	5.10	26.20	2.7	57
	Dec-05	6.63	5.28	0	1.35	24.70	3.3	417
	Mar-06	5.15	6.67	94	**	23.60	4.2	255
	Jun-06	**	3.93	228	5.74	23.50	2.5	376
MW-25*	Oct-06	6.23	3.72	0	3.08	23.59	2.4	106
	Dec-06	6.74	4.45	0	3.75	23.93	2.8	429
	Mar-07	7.02	3.72	>999	7.45	23.30	2.4	258
	Jun-07	6.96	3.73	50	4.51	22.99	2.4	485
	Sep-07	6.72	3.52	15	3.59	27.04	2.3	195
	Dec-07	6.27	3.89	0	4.79	19.38	2.5	168
	Mar-06	6.83	3.75	0	2.59	23.80	2.4	158
	Jun-06	**	2.32	229	4.83	24.10	1.5	305
MW-26	Oct-06	6.18	3.72	0	2.91	23.71	2.4	180
141 44 - 20	Dec-06	NM	NM	NM	NM	NM	NM	NM
	Mar-07	6.99	3.76	>999	7.14	23.50	2.4	422
	Jun-07	7.01	3.51	41	4.82	23.62	2.5	517

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	рН	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (°C)	TDS (g/L)	Oxidation- Reduction Potential (mV)
MW-26	Sep-07	6.74	3.56	5	3.48	27.08	2.3	176
N1 W -20	Dec-07	6.42	3.98	0	5.12	21.65	2.5	212
	Mar-06	6.83	3.28	0	2.44	21.90	2.1	142
	Jun-06	**	3.67	626	4.57	26.10	2.3	69
	Oct-06	6.20	3.32	0	2.84	22.24	2.1	155
MW-27	Dec-06	6.81	4.02	507	4.48	22.22	2.6	444
IVI VV -2 /	Mar-07	6.97	3.25	83	6.96	21.90	2.1	181
	Jun-07	7.04	3.26	238	4.14	22.15	2.1	392
	Sep-07	6.76	3.41	22	3.40	24.23	2.2	198
	Dec-07	6.37	3.84	0	3.52	20.62	2.5	153
MW-28	Nov-07	6.80	0.415	196	9.62	26.75	2.7	125
MW-29	Nov-07	6.89	0.426	15.1	6.04	21.80	2.7	108
MW-30	Nov-07	6.81	0.368	144	3.09	24.23	2.4	135
Ave	erage	6.64	3.70	162	4.09	24.63	2.5	189
			II	NTERMED	IATE WELL			
	Jan-04	6.99	2.50	NM	1.18	22.60	NM	NM
	May-05	7.14	2.68	296	7.56	26.12	NM	130
	Sep-05	7.17	1.81	4	6.58	27.10	1.2	111
	Dec-05	6.88	2.45	33	2.49	26.60	1.6	123
MW-9	Mar-06	5.06	2.08	>999	**	25.90	1.3	496
141 44 -3	Jun-06	NM	NM	NM	NM	NM	NM	NM
	Oct-06	6.30	2.38	0	4.11	25.71	1.5	86
	Dec-06	6.81	2.96	0	5.09	25.46	1.9	233
	Jun-07	7.12	2.47	0	5.60	26.09	1.6	428
	Dec-07	NM	NM	NM	NM	NM	NM	NM
Ave	erage	6.68	2.42	56	4.66	25.70	1.5	230

NOTES: * = Wells installed in Apr 2005. ** = Instrument failure. NM = Not Measured.

 $^{^{(1)}}$ = Monitoring Well MW-4 was not sampled due to blockage in well casing.

^{(2) =} Monitoring Well MW-11 was not sampled due to detection of floating hydrocarbons in the well.

[°]C = degrees Celsius. uS = microsiemens (equivalent to umhos). mg/L = milligrams per liter.

mV = millivolts. Ntu = Nephelometric Turbidity Units.

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample	Concentration (μg/L)					
VV CH ID	Date	perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichlorethene			
		SHALLOW V	VELLS				
	Aug 00	2,300	ND	ND			
	Oct 00	NS	NS	NS			
	Sep 02	2,000	ND	ND			
	May 03	870	ND	ND			
	Sep 03	2,300	ND	ND			
	Jan 04	1,700	ND	ND			
	May 05	3,500	ND	ND			
MW-1	Sep 05	1,700	ND	ND			
	Dec 05	820	ND	ND			
	Mar 06	420	ND	ND			
	Jun 06	NS	NS	NS			
	Oct 06	1,100	ND	ND			
	Dec 06	1,300	ND	ND			
	Jun 07	450	ND	ND			
	Dec 07	710	ND	ND			
	Oct 00	3,000	18	18			
	Sep 02	3,000	13	13			
	May 03	1,400	ND	ND			
	Sep 03	1,700	ND	ND			
	Jan 04	1,700	ND	ND			
	May 05	2,050	17	9.7			
MW-2	Dec 05	2,900	ND	ND			
	Mar 06	NS	NS	NS			
	Jun 06	1,600	ND	ND			
	Oct 06	1,900	ND	ND			
	Dec 06	1,300	ND	ND			
	Jun 07	1,400	ND	ND			
	Dec 07	1,000	ND	ND			
	Oct 00	98	ND	ND			
[Sep 02	ND	ND	ND			
	May 03	6.9	ND	ND			
	Sep 03	12	ND	ND			
[Jan 04	6.7	ND	ND			
[May 05	ND	ND	ND			
MW-3	Dec 05	ND	ND	ND			
	Mar 06	NS	NS	NS			
	Jun 06	ND	ND	ND			
	Oct 06	ND	ND	ND			
[Dec 06	1.2	ND	ND			
[Jun 07	ND	ND	ND			
	Dec 07	1.4	ND	ND			
MW-4	Oct 00	14	ND	ND			
171 77 -4	Sep 02	25	ND	ND			

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample	Concentration (μg/L)					
well ID	Date	perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichlorethene			
	May 03	24	ND	ND			
	Sep 03	100	ND	ND			
	Jan 04	220	ND	ND			
	May 05	25	ND	ND			
	Dec 05	15	ND	ND			
MW-4	Mar 06	NS	NS	NS			
	Jun 06	27	ND	ND			
	Oct 06	NS ⁽¹⁾	NS ⁽¹⁾	NS ⁽¹⁾			
	Dec 06	$NS^{(1)}$	NS ⁽¹⁾	NS ⁽¹⁾			
	Jun 07	NS ⁽¹⁾	NS ⁽¹⁾	NS ⁽¹⁾			
Ī	Dec 07	NS ⁽¹⁾	NS ⁽¹⁾	NS ⁽¹⁾			
	Oct 00	100	ND	NS ⁽¹⁾			
	Sep 02	110	ND	ND			
	May 03	240	ND	ND			
	Sep 03	220	ND	ND			
	Jan 04	370	ND	ND			
	May 05	146	ND	ND			
MW-5	Dec 05	93	ND	ND			
	Mar 06	NS	NS	NS			
	Jun 06	220	ND	ND			
	Oct 06	67	ND	ND			
	Dec 06	130	ND	ND			
	Jun 07	550	ND	ND			
	Dec 07	170	ND	ND			
	Oct 00	2,200	13	8.1			
	Sep 02	1,000	41	14			
[May 03	710	22	ND			
	Sep 03	1,300	ND	ND			
	Jan 04	2,400	ND	ND			
	May 05	2,090	13	11			
MW-6	Sep 05	890	13	23			
	Dec 05	530	41	21			
	Mar 06	NS	NS	NS			
	Jun 06	1,100	ND	ND			
	Oct 06	1,300	ND	ND			
	Dec 06	810	9.9	8.9			
	Jun 07	1,300	ND	ND			
	Dec 07	1,500	ND	ND			
	Sep 02	ND	ND	ND			
MXX 7	May 03	1.7	ND	ND ND			
MW-7	Sep 03	2.0	ND	ND ND			
	Jan 04	11.0	ND ND	ND ND			
	May 05	ND	ND	ND			

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

W II ID	Sample	Concentration (μg/L)					
Well ID	Date	perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichlorethene			
	Sep 05	3.3	ND	ND			
	Dec 05	1.2	ND	ND			
	Mar 06	1.5	ND	ND			
MW-7	Jun 06	2.2	ND	ND			
141,44-7	Oct 06	2.9	ND	ND			
_	Dec 06	2.1	ND	ND			
	Jun 07	1.1	ND	ND			
	Dec 07	1.3	ND	ND			
_	Sep 02	5.4	ND	ND			
_	May 03	3.2	ND	ND			
_	Sep 03	3.7	ND	ND			
_	Jan 04	4.7	ND	ND			
_	May 05	5.6	5.6	ND			
MW-8	Dec 05	3.6	ND	ND			
_	Mar 06	NS	NS	NS			
_	Jun 06	2.6	ND	ND			
_	Oct 06	3.4	ND	ND			
_	Dec 06	4.3	ND	ND			
_	Jun 07	2.8	ND	ND			
	Dec 07	2.8	ND	ND			
	Sep 02	ND	ND	ND			
	May 03	ND	ND	ND			
	Sep 03	15.0	ND	ND			
	Jan 04	ND	ND	ND			
-	May 05	ND	ND	ND			
	Sep 05	ND	ND	ND			
MW-10	Dec 05	ND	ND	ND			
-	Mar 06	ND	ND	ND			
<u> </u>	Jun 06	ND ND	ND	ND			
-	Oct 06	ND	ND	ND			
-	Dec 06	1.0	ND	ND			
-	Jun 07	ND	ND	ND			
-	Dec 07	1.0 ND	ND ND	ND ND			
	Sep 02	ND ND	ND ND	ND ND			
	May 03						
]	Sep 03	NS ⁽²⁾	NS ⁽²⁾	NS ⁽²⁾			
<u> </u>	Nov 03	NS ⁽²⁾	NS ⁽²⁾	NS ⁽²⁾			
MW-11	Jan 04	NS ⁽²⁾	NS ⁽²⁾	NS ⁽²⁾			
	May 05	NS ⁽²⁾	NS ⁽²⁾	NS ⁽²⁾			
	Dec 05	NS ⁽²⁾	NS ⁽²⁾	NS ⁽²⁾			
	Mar 06	NS ⁽²⁾	NS ⁽²⁾	NS ⁽²⁾			
	Jun 06	NS ⁽²⁾	NS ⁽²⁾	NS ⁽²⁾			

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample	Concentration (µg/L)					
well ID	Date	perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichlorethene			
	Oct 06	NS ⁽²⁾	NS ⁽²⁾	NS ⁽²⁾			
MW-11	Dec 06	NS ⁽²⁾	NS ⁽²⁾	NS ⁽²⁾			
	Jun 07	NS ⁽²⁾	NS ⁽²⁾	NS ⁽²⁾			
-	Dec 07	110	ND	ND			
	Sep 02	ND	ND	ND			
	May 03	1.3	ND	ND			
	Sep 03	14.0	ND	ND			
	Jan 04	6.1	ND	ND			
	May 05	ND	ND	ND			
	Sep 05	1.1	ND	ND			
MW-12	Dec 05	1.2	ND	ND			
ll f	Mar 06	1.1	ND	ND			
	Jun 06	NS	NS	NS			
	Oct 06	ND	ND	ND			
	Dec 06	1.4	ND	ND			
	Jun 07	ND	ND	ND			
	Dec 07	ND	ND	ND			
	May 03	2,100	ND	ND			
	Sep 03	2,800	ND	ND			
	Jan 04	2,700	ND	ND			
	May 05	5,310	ND	ND			
	Sep 05	2,600	ND	ND			
	Dec 05	3,400	ND	ND			
MXX/ 12	Mar 06	3,700	ND	ND			
MW-13	Jun 06	2,900	ND	ND			
1	Oct 06	2,800	ND	ND			
	Dec 06	3,200	ND	ND			
	Mar 07	2,500	ND	ND			
	Jun 07	3,700	ND	ND			
	Sep 07	2,000	ND	ND			
	Dec 07	2,500	ND	ND			
	Nov 03	1,900	ND	ND			
	Jan 04	2,100	ND	ND			
	May 05	2,920	5.5	ND			
	Dec 05	3,400	ND	ND			
	Mar 06	2,500	ND	ND			
MW-14	Jun 06	1,800	ND	ND			
141 44 -14	Oct 06	1,900	ND	ND			
	Dec 06	3,500	ND	ND			
	Mar 07	1,900	ND	ND			
	Jun 07	1,700	ND	ND			
	Sep 07	650	ND	ND			
•	Dec 07	1,500	ND	ND			

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample	Concentration (μg/L)						
well ID	Date	perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichlorethene				
	Nov 03	5.2	ND	ND				
	Jan 04	2.7	ND	ND				
	May 05	ND	ND	ND				
	Sep 05	3.6	ND	ND				
	Dec 05	5.0	ND	ND				
MW-15	Mar 06	4.5	ND	ND				
	Jun 06	4.4	ND	ND				
	Oct 06	3.3	ND	ND				
	Dec 06	3.7	ND	ND				
	Jun 07	3.0	ND	ND				
	Dec 07	3.0	ND	ND				
	Nov 03	ND	ND	ND				
	Jan 04	ND	ND	ND				
	May 05	ND	ND	ND				
	Sep 05	ND	ND	ND				
	Dec 05	ND	ND	ND				
MW-16	Mar 06	ND	ND	ND				
	Jun 06	ND	ND	ND				
	Oct 06	ND	ND	ND				
	Dec 06	ND	ND	ND				
	Jun 07	ND	ND	ND				
	Dec 07	ND	ND	ND				
	May 05	520	ND	ND				
	Dec 05	470	ND	ND				
	Mar 06	NS	NS	NS				
	Jun 06	NS	NS	NS				
	Oct 06	1,300	ND	ND				
MW-17	Dec 06	710	ND	ND				
	Mar 07	440	ND	ND				
	Jun 07	300	ND	ND				
	Sep 07	380	ND	ND				
	Dec 07	480	ND	ND				
	May 05	1,600	ND	ND				
	Sep 05	1,700	ND	ND				
	Dec 05	2,400	ND	ND				
	Mar 06	1,700	ND	ND				
∥	Jun 06	1,600	ND	ND				
MW-18	Oct 06	2,100	ND	ND				
	Dec 06	1,400	ND	ND				
 	Mar 07	1,400	ND	ND				
∥ ⊦	Jun 07	1,300	ND	ND				
	Sep 07	930	ND	ND				
∥ ⊦	Dec 07	1,400	ND	ND				
MW-19	Nov 03	1,100	ND	ND				

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample	Concentration (μg/L)							
well ID	Date	perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichlorethene					
	Jan 04	1,200	ND	ND					
	May 05	873	ND						
	Dec 05	1,300	ND	ND					
	Mar 06	NS	NS						
	Jun 06	910	ND	ND					
MW-19	Oct 06	840	ND	ND					
	Dec 06	1,200	ND	ND					
	Mar 07	890	ND	ND					
	Jun 07	870	ND	ND ND ND NS ND ND ND ND ND ND ND					
	Sep 07	510	ND	ND					
	Dec 07	990	ND	ND					
	Nov 03	1,800	ND	ND					
	Jan 04	290	2.8	ND					
	May 05	1,460	ND	ND					
	Dec 05	1,800	ND	ND					
	Mar 06	NS	NS	ND					
MXX 20	Jun 06	2,100	ND	ND					
MW-20	Oct 06	2,000	ND	ND					
	Dec 06	2,500	ND						
	Mar 07	1,500	1,800 ND ND NS NS NS 2,100 ND ND 2,000 ND ND 2,500 ND ND 1,500 ND ND 1,300 ND ND 730 ND ND 1,400 ND ND 51 ND ND	ND					
	Jun 07		ND	ND					
	Sep 07	730	ND	ND					
	Dec 07	1,400	ND	ND					
	Nov 03	51	ND	ND					
	Jan 04	55	ND	ND					
	May 05	30	ND	ND					
	Sep 05	19	2.4	1.5					
	Dec 05	16	1.8	1.3					
MW-21	Mar 06	43	ND	ND					
	Jun 06	32	ND	ND					
	Oct 06	23	ND	ND					
	Dec 06	39	ND	ND					
	Jun 07	28	ND						
	Dec 07	83	ND						
	May 05	ND	ND						
	Sep 05	ND	ND						
	Dec 05	1.0	ND						
	Mar 06	ND	ND						
MW-22	Jun 06	ND	ND						
	Oct 06	ND	ND						
	Dec 06	ND	ND						
	Jun 07	ND	ND						
	Dec 07	ND	ND						
MW-23	May 05	1,430	ND						

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

W.II ID	Sample	Concentration (μg/L)							
Well ID	Date	perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichlorethene					
	Dec 05	1,900	ND	ND					
	Mar 06	NS	NS	NS					
	Jun 06	1,500	ND	ND					
	Oct 06	2,000	ND	ND					
MW-23	Dec 06	2,100	ND	ND					
	Mar 07	2,100	ND	ND					
	Jun 07	1,300	ND	ND					
	Sep 07	750	ND	ND					
	Dec 07	1,200	ND	ND					
	May 05	ND	ND	ND					
	Sep 05	4.3	ND	ND					
	Dec 05	6.7	ND	ND					
	Mar 06	6.5	ND	ND					
MW-24	Jun 06	5.6	ND	ND					
	Oct 06	2.6	ND	ND					
	Dec 06	2.6	ND	ND					
	Jun 07	1.0	ND	ND					
	Dec 07	ND	ND	ND					
	May 05	993	ND	ND					
	Sep 05	920	ND	ND					
	Dec 05	1000	ND	ND					
	Dec 05	970	ND	ND					
	Jun 06	960	ND	ND					
MW-25	Oct 06	1300	ND	ND					
	Dec 06	1200	ND	ND					
	Mar 07	670	ND	ND					
	Jun 07	960	ND	ND					
	Sep 07	560	ND	ND					
	Dec 07	780	ND	ND					
	Mar 06	730	ND	ND					
	Jun 06	770	ND	ND					
	Oct 06	1100	ND	ND					
MW-26	Dec 06	NS	NS	NS					
1V1 VV -20	Mar 07	790	ND	ND					
	Jun 07	960	ND	ND					
	Sep 07	620	ND	ND					
	Dec 07	910	ND	ND					
	Mar 06	220	ND	ND					
	Jun 06	350	ND	ND ND ND ND ND ND ND ND					
	Oct 06	380	ND	ND					
MW-27	Dec 06	380	ND	ND					
Ī	Mar 07	160	ND	ND					
ľ		340	ND	ND					
		320	ND	ND					

TABLE 3 SELECTED VOC CONCENTRATIONS IN MONITORING WELLS Maryland Square Shopping Center

Well ID	Sample	Concentration (μg/L)							
weii iD	Date	perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichlorethene					
MW-27	Dec 07	430	ND	ND					
MW-28	Nov 07	3.0	ND	ND					
MW-29	Nov 07	2.5	ND	ND					
MW-30	Nov 07	74	ND	ND					
		INTERMEDIATE	WELL						
	Sep 02	670	ND	ND					
	May 03	59	ND	ND					
	Sep 03	9.2	ND	ND					
	Jan 04	10	ND	ND					
	May 05	353	ND	ND					
	Sep 05	64	ND	ND					
MW-9	Dec 05	190	ND	ND					
	Mar 06	ND	ND	ND					
	Jun 06	NS	NS	NS					
	Oct 06	160	ND	ND					
	Dec 06	45	ND	ND					
	Jun 07	170	ND	ND					
	Dec 07	110	ND	ND					

NOTES: ND = Not Detected above the laboratory reporting limit NS = Not Sampled

PCE is perchloroethylene (tetrachloroethene). The Maximum Contaminant Level for PCE in drinking water is 5 ug/L.

^{(1) =} Monitoring Well MW-4 was not sampled due to blockage in well casing.

 $^{^{(2)}}$ = Monitoring Well MW-11 was not sampled due to detection of floating hydrocarbons in the well. μ g/L = micrograms per liter.

TABLE 4 SUMMARY OF OTHER ANALYTICAL DATA Maryland Square Shopping Center

		Concentration								
	Sample Date	(in mg/L)								
Well ID		Total Iron	Dissolved Manganese	Chloride	Nitrate as N	Sulfate	Total Alkalinity	Total Organic Carbon		
				ALLOW V						
	May 05	ND	ND	180	8.9	1,613	ND	5.1		
	Sep 05	3.7	0.057	180	8.8	1,800	230	6.0		
	Dec 05	5.0	0.027	200	8.1	1,800	190	1.7		
	Mar 06	24.0	0.23	170	8.4	1,600	250	3.8		
MW-1	Jun 06	NS	NS	NS	NS	NS	NS	NS		
	Oct 06	5.1	0.044	210	8.4	1,900	220	2.8		
	Dec 06	20.0	0.24	NA	7.3	NA	NA	2.4		
	Jun 07	16.0	0.14	180	7.3	1,700	210	2.3		
	Dec 07	2.5	< 0.0050	220	8.0	2,000	210	3.0		
MW-6	May 05	ND	0.04	200	10.5	1,615	ND	6.0		
MW-12	May 05	ND	ND	270	23.9	1,618	16	4.8		
	May 05	ND	ND	170	6.9	1,562	ND	1.7		
	Sep 05	19.0	0.69	170	6.1	1,700	260	3.6		
	Dec 05	7.0	0.11	190	5.9	1,600	220	1.6		
	Mar 06	7.7	0.2	240	7.0	1,500	220	1.7		
	Jun 06	15.0	0.49	190	7.9	1,600	230	1.7		
MW-13	Oct 06	20.0	0.48	190	6.2	1,700	220	2.7		
	Dec 06	12.0	0.33	200	6.1	1,700	210	2.1		
	Mar 07	9.7	0.27	220	5.9	1,500	210	1.7		
	Jun 07	19.0	0.56	180	6.1	1,600	220	1.4		
	Sep 07	1.6	ND	210	6.2	1,700	220	1.3		
	Dec 07	2.9	0.065	200	7.2	1,800	220	1.8		
	Sep 05	0.9	0.02	160	5.4	1,800	240	3.3		
	Dec 05	3.7	0.015	180	4.7	1,600	200	1.4		
	Mar 06	2.6	0.012	150	5.4	1,500	220	1.4		
	Jun 06	1.9	ND	200	5.8	1,900	220	1.4		
N 6777 4 6	Oct 06	2.1	0.011	180	5.2	1,900	210	1.7		
MW-18	Dec 06	2.8	0.019	180	5.0	1,600	210	1.6		
	Mar 07	38.0	0.48	160	4.7	1,500	220	1.5		
	Jun 07	1.8	ND	150	5.1	1,600	210	1.2		
	Sep 07	2.0	ND	190	5.8	1,700	210	1.2		
	Dec 07	2.1	< 0.0050	190	6.5	1,800	220	1.5		

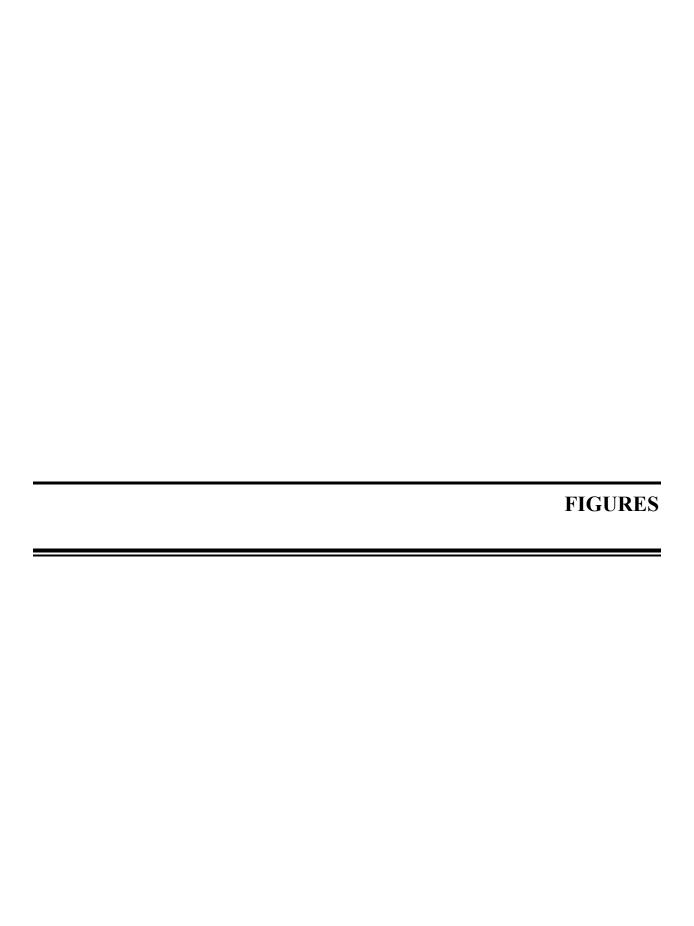
TABLE 4 SUMMARY OF OTHER ANALYTICAL DATA Maryland Square Shopping Center

		Concentration								
	Sample Date	(in mg/L)								
Well ID		Total Iron	Dissolved Manganese	Chloride	Nitrate as N	Sulfate	Total Alkalinity	Total Organic Carbon		
MW-19	May 05	ND	ND	170	5.9	1,599	19	2.7		
MW-23	May 05	ND	ND	200	7.5	1,596	ND	1.8		
	May 05	ND	ND	180	5.9	1,616	ND	1.7		
	Sep 05	1.2	0.02	170	4.5	1,900	300	4.4		
	Dec 05	3.0	ND	190	4.5	1,900	230	1.3		
	Mar 06	3.4	0.018	160	5.2	1,600	240	2.0		
	Jun 06	2.1	0.0061	220	5.7	1,900	230	1.9		
MW-25	Oct 06	3.2	0.02	200	5.2	1,900	280	2.0		
	Dec 06	2.6	0.0074	200	4.8	2,000	260	1.7		
	Mar 07	6.0	0.059	190	4.5	1,700	240	1.7		
	Jun 07	1.8	0.0053	170	4.7	1,800	240	1.4		
	Sep 07	1.6	0.0096	210	5.1	1,800	240	1.2		
	Dec 07	1.6	< 0.0050	200	5.0	2,000	240	1.7		
MW-28	Nov 07	1.9	0.021	250	5.9	2,000	250	1.2		
MW-29	Nov 07	1.2	<.0050	250	6.1	1,900	260	24.0		
MW-30	Nov 07	1.9	0.046	320	6.7	3,700	270	1.6		
Average		7.0	0.1482	195	6.6	1,770	220	2.7		
			INTE	CRMEDIAT	E WELL					
MW-9	May 05	ND	ND	110	5.2	1,094	ND	2.1		

NOTES: ND = Non-Detect. NA = Not Analyzed.

mg/L is milligrams per liter.

The shallow wells are approximately 25 ft. deep; The intermediate well is 30-40 ft. deep.





Source: Clark County Assessors Web Site

Scale: 200 feet



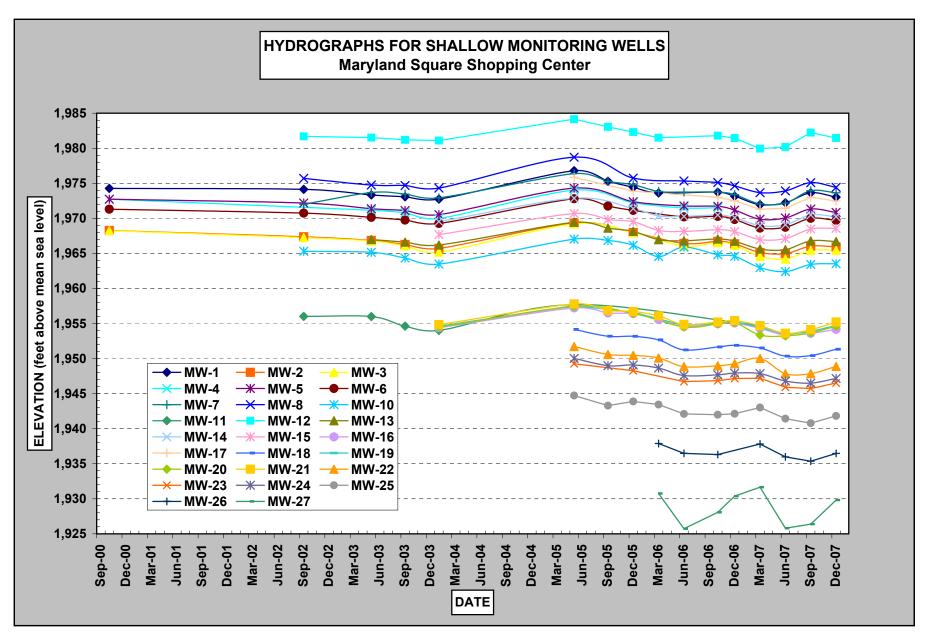


SITE LOCATION MAP

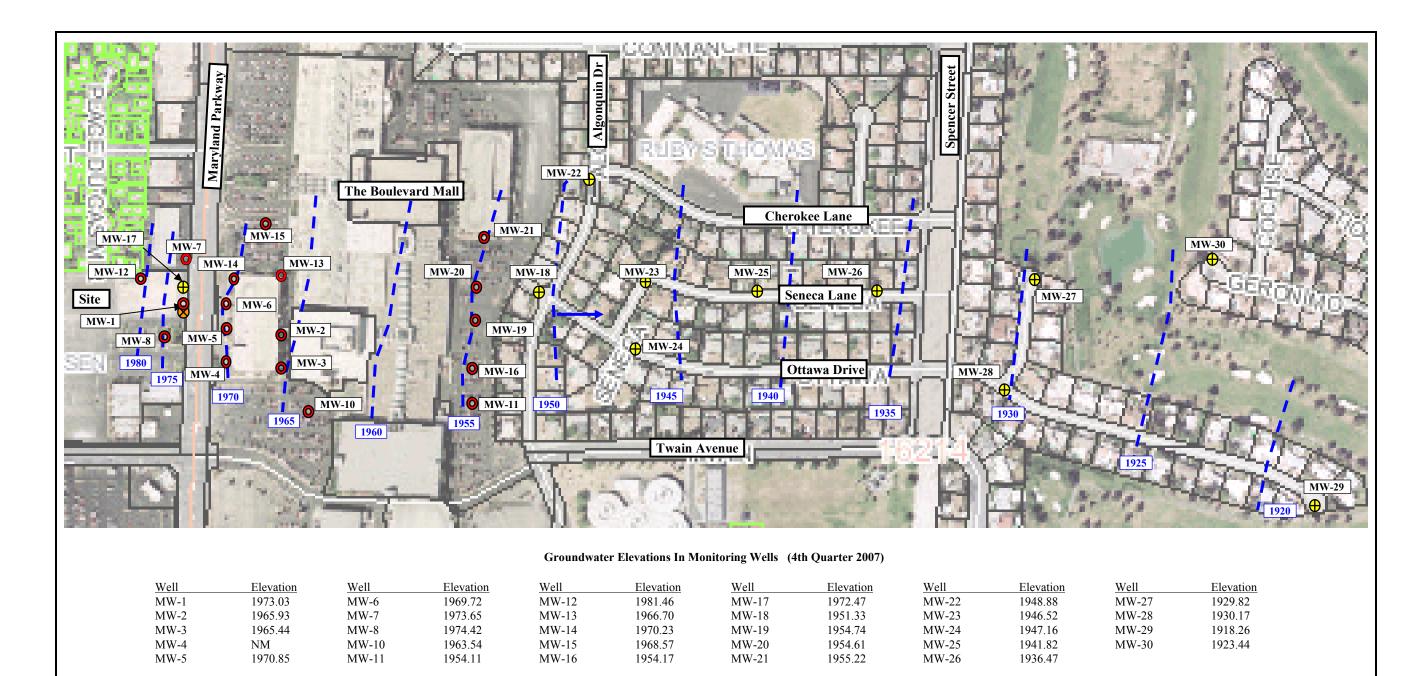
Al Phillips The Cleaner Quarterly Groundwater Sampling Maryland Square Shopping Center 3661 South Maryland Parkway Las Vegas, Nevada

4th Quarter 2007 Job No. 26698724

Figure 2



URS Corporation Job No. 26698724 Al Phillips the Cleaner Maryland Square Shopping Center 3661South Maryland Parkway Las Vegas, NV



Elevations are feet above means sea level.

Source: Clark County Assessors Web Site Scale: 0 Feet 200 Feet



- Approximate Location of Shallow Monitoring Well Installed by URS.
- Approximate Location of Intermediate Monitoring Well Installed by URS.
- Approximate Location of Monitoring Well Installed by Converse.
- Groundwater Elevation Contour Line.

Approximate Direction of Groundwater Flow.



GROUNDWATER ELEVATION CONTOURS FOR SHALLOW WELLS

4th Quarter 2007

Al Phillips The Cleaner Quarterly Groundwater Sampling Maryland Square Shopping Center

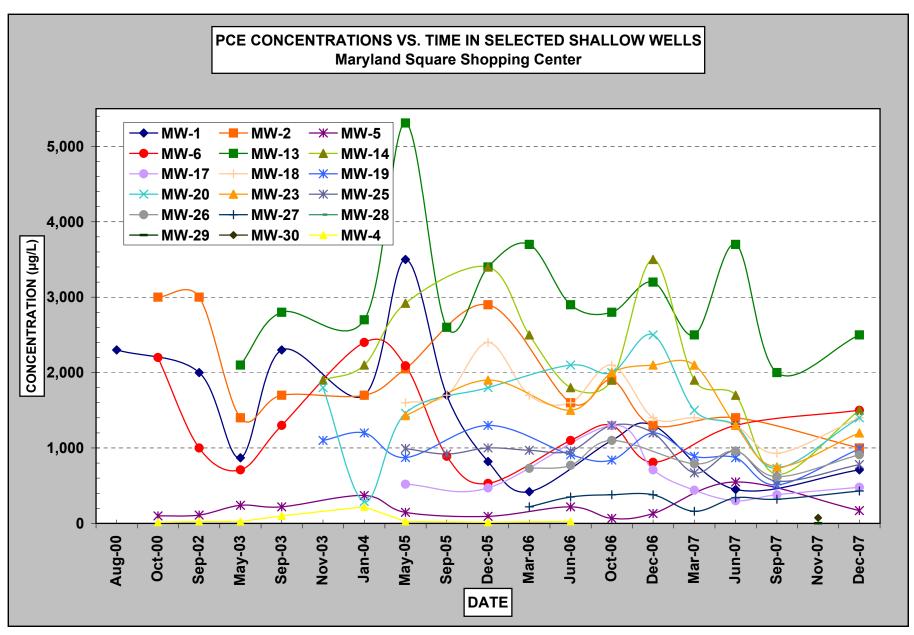
3661 South Maryland Parkway
Las Vegas, Nevada

4th Quarter 2007 Job No. 26698724

MS 4th Qtr 07 Fig 3.ppt

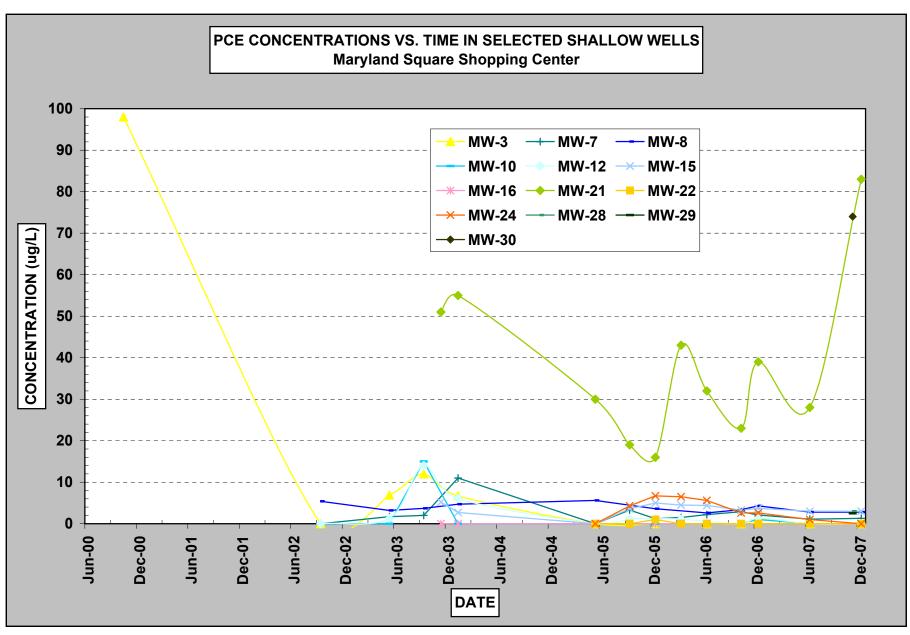
FIGURE 3

Figure 4A



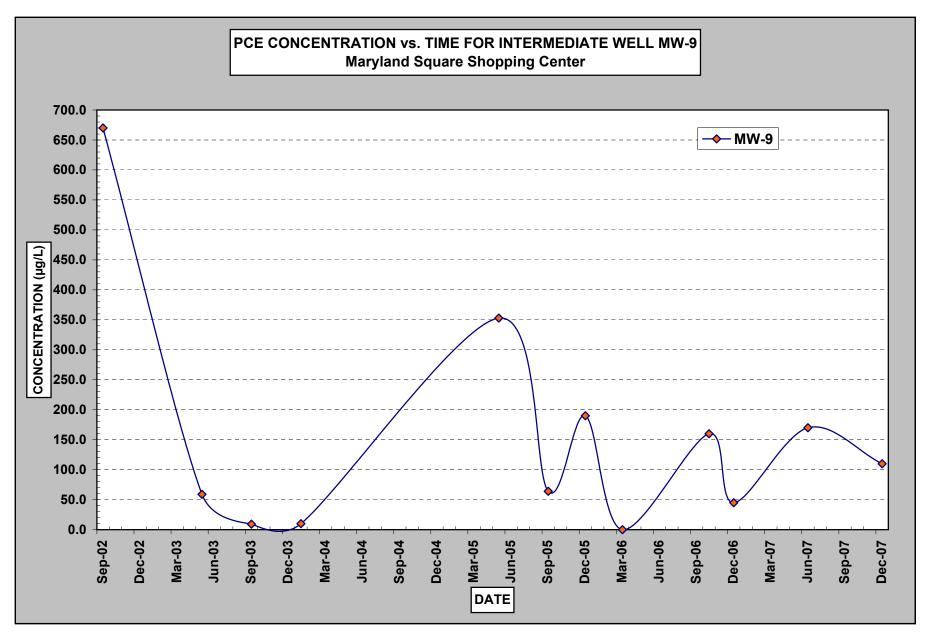
URS Corporation Job Number 26698724 Al Phillips the Cleaner Maryland Square Shopping Center 3661 South Maryland Parkway Las Vegas, NV

Figure 4B

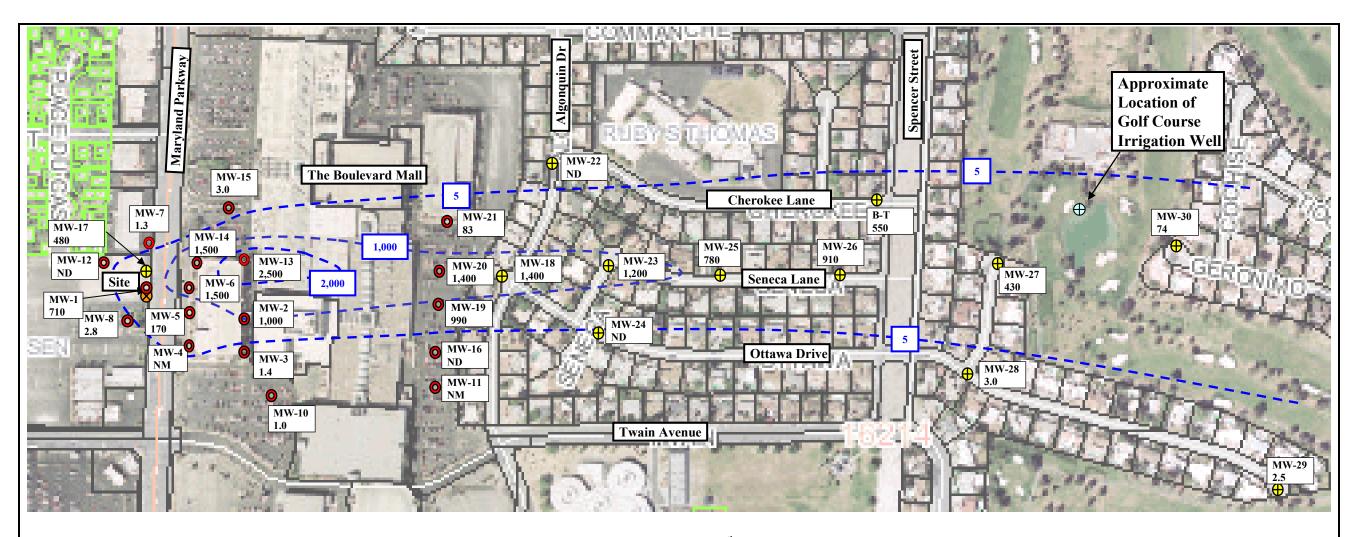


URS Corporation Job Number 26698724 Al Phillips the Cleaner Maryland Square Shopping Center 3661 South Maryland Parkway Las Vegas, NV

Figure 4C



URS Corporation Job Number 26698724 Al Phillips the Cleaner Maryland Square Shopping Center 3661 South Maryland Parkway Las Vegas, NV



Concentrations of PCE in Monitoring Wells (4th Quarter 2007)

Well	Concentration	Well	Concentration	Well	Concentration	Well	Concentration	Well	Concentration	Well	Concentration
MW-1	710	MW-6	1,500	MW-12	ND	MW-17	480	MW-22	ND	MW-27	430
MW-2	1,000	MW-7	1.3	MW-13	2,500	MW-18	1,400	MW-23	1,200	MW-28	3.0
MW-3	1.4	MW-8	2.8	MW-14	1,500	MW-19	990	MW-24	ND	MW-29	2.5
MW-4	NM	MW-10	1.0	MW-15	3.0	MW-20	1,400	MW-25	780	MW-30	74
MW-5	170	MW-11	NM	MW-16	ND	MW-21	83	MW-26	910	Intermed	liate Well
										Well	Concentration
Concentrations are in micrograms per liter (ug/L). Federal MCL for PCE in drinking water is 5 ug/L. NS = Not Sampled. ND = Non-Detect.									MW-9	110	

Source: Clark County Assessors Web Site

Scale: 0 Feet 200 Feet

URS



Legend:

- Approximate Location of Shallow Monitoring Well Installed by URS.
- Approximate Location of Intermediate Monitoring Well Installed by URS.
- Approximate Location of Monitoring Well Installed by Converse.
 - Approximate Concentration Contour of PCE in Groundwater.

SHALLOW MONITORING WELL PCE CONCENTRATIONS AND CONTOURS

4th Quarter 2007 Al Phillips The Cleaner Quarterly Groundwater Sampling Maryland Square Shopping Center

Maryland Square Shopping Center 3661 South Maryland Parkway Las Vegas, Nevada

4th Quarter 2007 Job No. 26698724

MS 4th Qtr 07 Fig 5.ppt

FIGURE 5